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EPA Region 5 Records Ctr.



263955

## ON-SCENE COORDINATOR'S REPORT

## CERCLA REMOVAL ACTION

BOHATY DRUM SITE

MEDINA TOWNSHIP, OHIO

SITE ID # PN

DELIVERY ORDER NO. 7460-05-212

Removal Dates: JANUARY 15, 1992 - MAY 7, 1992

Steven L. Renninger  
Response Section 11/25/93  
DateEmergency and Enforcement Response Branch  
Office of Superfund  
Waste Management Division  
Region V  
United States Environmental Protection Agency

## EXECUTIVE SUMMARY

Site/Location: BOHATY DRUM SITE, MEDINA TOWNSHIP, OHIO  
Removal Dates: JANUARY 15, 1992 - MAY 7, 1992

### INCIDENT DESCRIPTION:

The Bohaty Drum site is a privately owned, 150-acre parcel of land in Medina Township, Medina County, Ohio. The removal action was taken to mitigate threats to public health posed by the presence of open and leaking drums of paints, acids, corrosives, PCBs, pesticides, lab-pack chemicals, paint wastes, solvents and other ignitable materials. These materials posed threats through direct contact and through the potential for fire or explosion.

### ACTIONS TAKEN:

The United States Environmental Protection Agency (U.S. EPA) initiated a removal action on January 15, 1992. The following emergency removal activities were performed: all drums were identified and recovered from throughout the heavily overgrown property, recovered drums were overpacked to stabilize their contents until hazard categorization could be performed, contents of the drums were identified and waste streams assigned, partial drums of waste were consolidated where practicable, full drums of waste were overpacked into 85-gallon salvage drums, pesticide/herbicide-contaminated soil was excavated and placed in overpacks for disposal, RCRA-empty drums were crushed for disposal, and all wastes were shipped off site for disposal.

Approximately 57 cubic yards of paint waste solids (Hazardous Waste, Solid N.O.S. - D040) were shipped off site for disposal on February 28, March 11, and March 25, 1992. The paint waste was transported by Dart Trucking to Envirosafe Services of Ohio, Oregon, Ohio, for landfill disposal. Approximately 199 cubic yards of crushed, RCRA-empty steel drums (non hazardous, non-regulated material) and 32 cubic yards of spent personal protective equipment (PPE) (Hazardous Waste, Solid N.O.S., NA9189 - D007) were also transported to Envirosafe for landfill disposal. These wastes were transported off site between February 13 and March 25, 1992. On March 17, 1992, approximately 6,000 pounds of soil containing Heptachlor (pesticide) and 2,4-D (herbicide) (Hazardous Waste, Solid N.O.S., NA9189 - U240, P059, D016, D031, F001, F005) were transported by Tri-State Motor Transit Company for off-site disposal. The waste was shipped to ENSCO, Inc., in El Dorado, Arkansas, for incineration. Approximately 1,705 gallons of flammable liquids (Flammable Liquid, UN1993 - D001 and D008) were shipped off site for disposal on March 19, 1992. The flammable liquids were transported by Dart Trucking to Clark Processing, Dayton, Ohio, for fuel blending. Dart also transported 30,000 pounds of flammable solids (Flammable Solid, UN1325 - D001) to Clark Processing on March 17, 1992, with an additional 9,000 pounds of the same waste being transported on March 19, 1992. These wastes were fuel blended at Clark Processing's Dayton, Ohio, facility. On April 1, 1992, one drum (approximately 300

kilograms) of PCB-contaminated waste (Flammable Liquid, D001, D008, PCB) was shipped off site by Dart Trucking. The waste was sent to Aptus, Coffeyville, Kansas, for incineration. Six hundred gallons of Hazardous Waste Liquid, N.O.S. (NA 9189) was transported off site by Dynecol, Inc., to their Detroit, Michigan, facility for treatment and disposal on April 24, 1992. On April 28, 1992, Dart Trucking transported a load of crushed empty drums (non hazardous, non-regulated) and paint waste solids (Hazardous Waste Solid, N.O.S. - D040) to Envirosafe Services of Ohio, Oregon, Ohio, for landfill. The load was composed of 4 cubic yards of paint waste and 6 cubic yards of crushed drums. On May 7, 1992, the final shipment of waste was transported from site by Transtec Trucking to Aptus, Lakeville, Minnesota, for incineration. The load consisted of 24 drums (approximately 6,000 kilograms) of Hazardous Waste Solid, N.O.S. (D007, PCB). The proceeding information is summarized in the waste disposal log which appears as Table 1. All off-site disposal facilities were in compliance with the U.S. EPA off-site policy at the time of transportation and/or disposal of the wastes. All actions taken were consistent with the National Contingency Plan.

The removal was completed on May 7, 1992, at an estimated cost under control of the On-Scene Coordinator (OSC) of \$652,720, of which \$556,986 was for the Emergency Response Cleanup Services contractor. The OSC was Steven L. Renninger.

This site is not on the National Priorities List.



Steven L. Renninger, On-Scene Coordinator  
Emergency and Enforcement Response Branch  
United States Environmental Protection Agency  
Region V

1/25/93  
Date

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Emergency and Enforcement Response Branch  
Office of Superfund, U.S. EPA, Region V

OSC REPORT STANDARD APPENDICES LIST \*

Site Name: Bohaty Drum Site, Medina Township, Medina County, Ohio

Site ID#: PN

Delivery Order #: 7460-05-212

1. OPERATIONAL FILES

- 1-A - Action Memos/Additional Funding Requests/Time Exemptions
- 1-B - Enforcement
- 1-C - Site Safety Plan
- 1-D - POLREPs
- 1-E - Daily Work Orders/Reports
- 1-F - Site Monitoring Logs (Air, etc.)
- 1-G - Site Entry/Exit Log
- 1-H - Hot Zone Entry/Exit Log
- 1-I - Equipment/Material Log
- 1-J - Equipment Tracking Sheets
- 1-K - Activity Log
- 1-L - Security Log
- 1-M - Photograph Log
- 1-N - Site Log(s)
- 1-O - Site Maps
- 1-P - General Correspondence/Information
- 1-Q - Community Relations/Newspaper Articles

2. FINANCIAL FILES

- 2-A - Delivery Orders/Procurement Requests  
Modifications to contract (ERCS)
- 2-B - Technical Directive Documents/Modifications (TAT)
- 2-C - Daily Cost Reporting U.S. EPA Form 1900-55's
- 2-D - Daily Cost Summaries
- 2-E - Incident Obligation Log/U.S. EPA Costs
- 2-F - ERCS Invoices
- 2-G - Cost Projections
- 2-H - TAT Cost Tracking
- 2-I - Subcontractor Bid Sheets

### 3. TECHNICAL FILES

3-A - TAT Site Assessment

3-B - Compatibility Testing

\*Portions of these OSC Report Appendices may contain confidential business information or enforcement-sensitive information and must be reviewed by the Office of Regional Counsel prior to release to the public.

\* Note that certain files for this site are maintained elsewhere by EERB; these appendices are those files maintained by the OSC during the removal action.

## 1.0 SUMMARY OF EVENTS

### 1.1 Location/Initial Situation

The Bohaty Drum site is a privately owned, 150-acre parcel of land in Medina Township, Medina County, Ohio (Figure 1). The parcel is bounded on the north by the Stonegate housing development, on the south by commercial businesses, on the west by State Route #42 (Pearl Road), and on the east by wooded lands (Figure 2). The Bohaty family operates a farm machine repair business from the extreme western perimeter of the property. Access to the property is largely unrestricted as only the front of the property (along Pearl Road) is bounded by a viable fence. The northern property boundary is marked by an extremely dilapidated wire fence that is absent in places. The site topography is gently rolling with a slight depression to the northeast. The majority of the 150-acre parcel is undeveloped and covered with woods or dense brush. A large pond, several acres in size, covers a portion of the property and areas adjacent to the pond are marshy year-round.

The 150-acre parcel of land has been owned by the Bohaty family for at least three generations. Historical aerial photographs from 1957 through 1990 document the accumulation of scrap and farm machinery piles beginning at the west property boundary and, as the years passed, extending in an eastward direction. Aerial photographs also depict the transition of the adjacent area from exclusively rural to largely residential and commercial.

### 1.2 Previous Actions/Site History

The presence of drums on the Bohaty property was brought to the attention of the Ohio Environmental Protection Agency (OEPA) in 1987 by the Medina Township Fire Department (MTFD). The MTFD responded to a grass fire at the Bohaty property on March 30, 1987, and, in the process of fighting the fire, discovered numerous 55-gallon drums.

On March 30, 1987, Craig Kleinhenz and Debby Berg of the OEPA Special Investigations Unit inspected the Bohaty site with MTFD Chief Dave Case. The OEPA site inspection report noted approximately 300 abandoned drums in deteriorated condition containing paint waste, laboratory chemicals, and a red sludge material. OEPA inspectors collected a sample of one drum of sludge material and analyzed the material for EP Toxicity (Metals); the results were negative. The report also noted that the City of Medina had placed a sewer line through a central portion of the property.

On August 17, 1989, Dan Osterfeld and Karla Auker of the OEPA Division of Emergency Response and Remedial Response (DERR) reinspected the Bohaty property and interviewed MTFD Fire Chief Dave Case. The August 17, 1989, OEPA report summarized the following site conditions:

- 1) Approximately 300 abandoned drums in poor condition;
- 2) Drums contained paint waste, lab pack chemicals, and chrome waste;

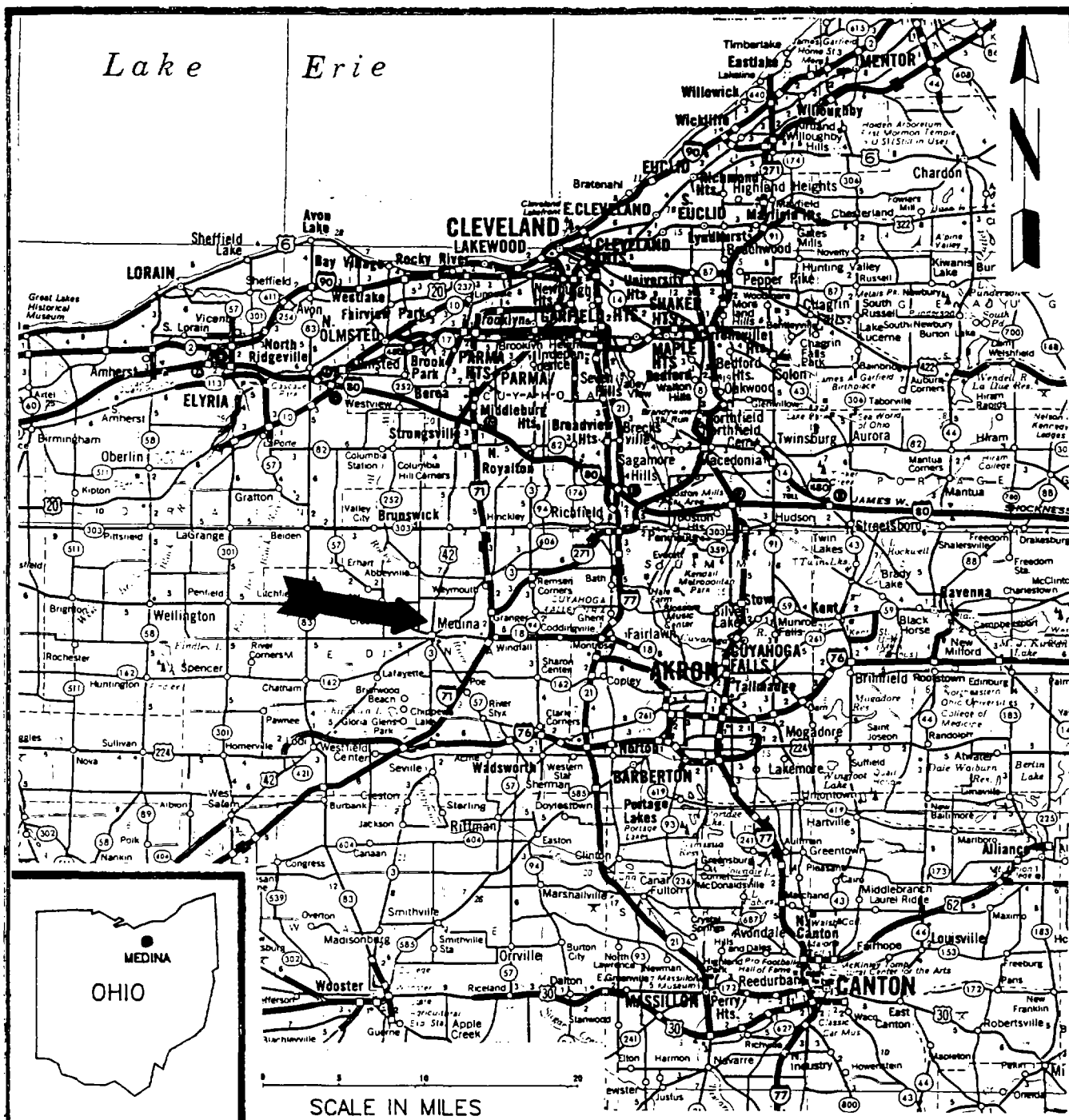


FIGURE 1  
GENERAL LOCATION MAP  
BOHATTY DRUM SITE  
MEDINA TOWNSHIP  
MEDINA COUNTY, OHIO



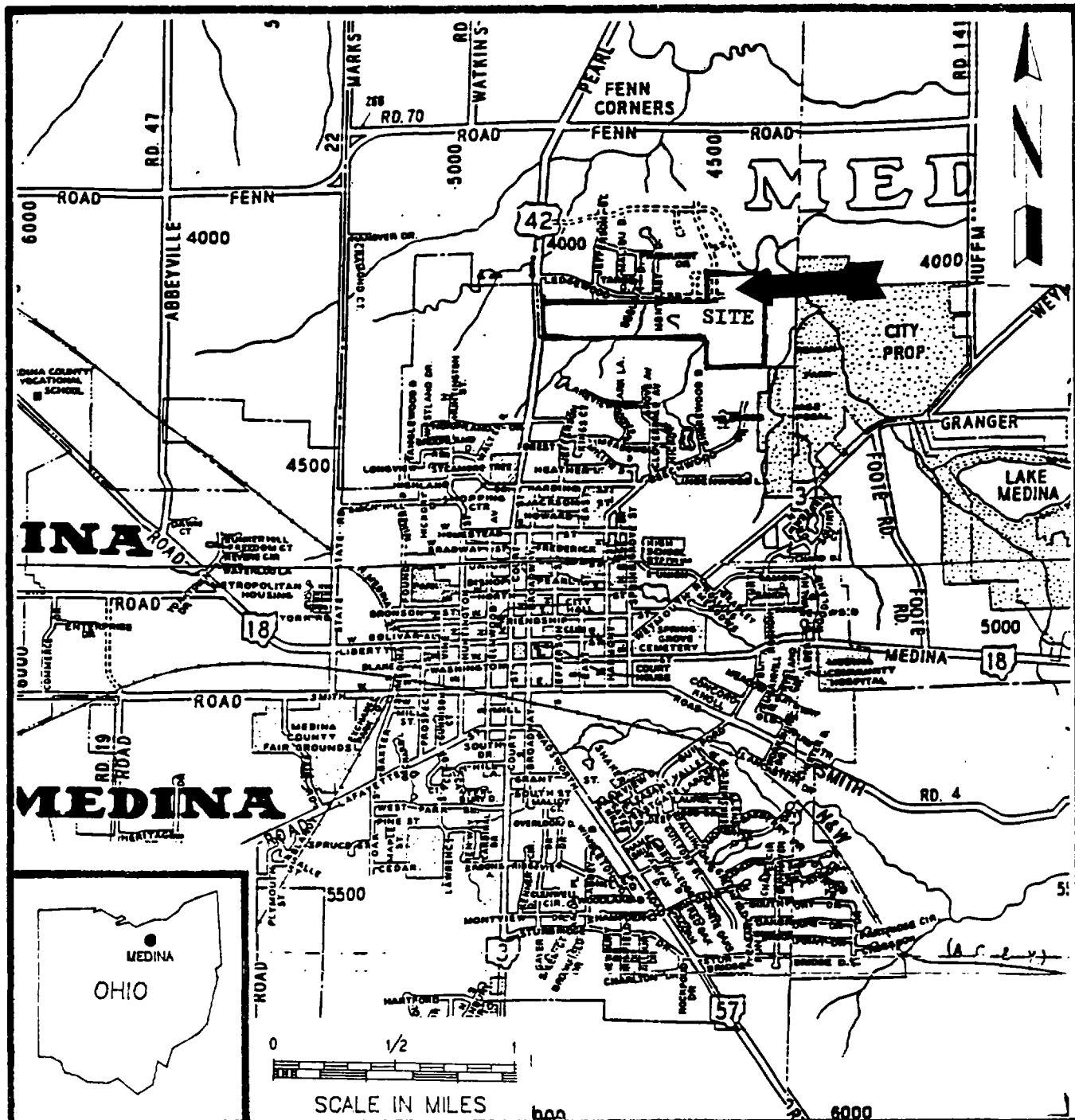


FIGURE 2  
 SITE LOCATION MAP  
 BOHATTY DRUM SITE  
 MEDINA TOWNSHIP  
 MEDINA COUNTY, OHIO



- 3) Air monitoring of drums indicated elevated levels of organic vapors; and,
- 4) Labels indicated drums contained diisocyanate and tetrahydrofuran.

On September 16, 1991, OEPA DERR requested assistance from United States Environmental Protection Agency (U.S. EPA) Region V, Emergency and Enforcement Response Branch, Response Section 1. On October 8, 1991, U.S. EPA On-Scene Coordinator (OSC) Steve Renninger and U.S. EPA Technical Assistance Team (TAT) members conducted a site investigation at the Bohaty Drum site. During the investigation, the OSC noted that the approximately 400 drums distributed throughout the site were in seven general groupings. Drums were noted to be in poor, deteriorated condition and access to the site was unrestricted. Numerous drums were noted to have spilled their contents onto the surrounding soil. Several drum groups were located within a marshy area through which an intermittent stream passes. This stream continued off the property and through the adjacent Stonegate residential area. Although only a fraction of the drums were inspected internally, the OSC noted the following drum waste streams: paint waste, lab-pack chemicals, and petroleum sludge. Label information from numerous drums indicates potential additional waste streams, including: trichloroethylene, diisocyanate, chrome waste, and tetrahydrofuran. Based on air monitoring results, the TAT collected three samples from observed drum groups. All samples collected during the October 8, 1991, U.S. EPA site investigation were laboratory analyzed and the results indicated that the drums contained characteristic hazardous waste by virtue of ignitability.

Based upon observations, past history, and analytical results, OSC Renninger was able to establish that the Bohaty Drum site was an imminent and substantial threat to human health and the environment. These findings were documented in a Site Assessment Report prepared by the TAT and submitted to the U.S. EPA on October 25, 1992.

### 1.3 Threat to Public Health and/or the Environment

The conditions at the Bohaty Drum site, as documented, meet the criteria for a removal action as stated in the National Contingency Plan (NCP), Section 300.415(b)(2), specifically:

- o Actual or potential exposure to nearby human populations, animals or the food chain from hazardous substances or pollutants or contaminants;

During the October 8, 1991, investigation, the OSC noted approximately 400 abandoned drums throughout the Bohaty Drum site. Drums contained paint waste, labpack chemicals, and sludges and were noted to be in deteriorated condition with unrestricted site access. Potential exposure pathways included direct contact with drums or drum contents leaking into marsh, stream, or pond areas. The stream runs through the

central portion of the site and directly into the adjacent Stonegate residential subdivision.

- o Actual or potential contamination of drinking water supplies or sensitive ecosystems;

During the October 8, 1991, site investigation, the OSC noted several groups of deteriorated drums within a central marsh area of the Bohaty site. Abandoned drums located within the marsh area were noted to contain lab-pack chemicals and sludges. An intermittent stream drains the marsh area directly to the Stonegate residential area.

- o Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release;

The OSC noted approximately 400 abandoned drums throughout the Bohaty Drum site during the October 8, 1991, site investigation. Drums were in deteriorated condition, many having spilled their contents onto the ground. Drums were noted to contain paint waste, petroleum sludges, and lab-pack chemicals. U.S. EPA TAT samples indicated drums contained ignitable wastes.

- o Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released;

Northcentral Ohio has extreme weather fluctuations from season to season. This weather pattern exposes drums stored outdoors to the stresses of a freeze-thaw cycle which could promote drum failure. During the October 8, 1991, site investigation, the OSC noted that weather conditions had affected the integrity of the drums. Many drums were open, rusted, or bulging due to extreme weather conditions.

- o Threat of fire or explosion;

Drum samples obtained during the October 8, 1991, U.S. EPA site investigation indicated numerous drums contained ignitable wastes. The history of the Bohaty Drum site includes a grass fire as recently as March 20, 1987. During the response to the March 20, 1987, fire, MTFD discovered and documented drums in the immediate fire area. Therefore, the threat of fire or explosion existed and, if such an event occurred, contaminants could have become airborne and may have affected nearby populations.

#### 1.3.1 Natural Resource Damage

No formal study was conducted as to the dangers the solvents, pesticides, poly-chlorinated biphenols (PCBs), lab-pack chemicals, and paint wastes posed to our natural resources. However, the risks involved were noted and the removal undertaken as quickly as possible.

During the course of the removal action, the U.S. EPA's Environmental Response Team (ERT) conducted sampling to determine the condition of the stream and pond. Samples collected included off-site background samples, several from the stream course as it passes through the Bohaty property, and several from stream locations within the Stonegate property. Samples were analyzed for physical parameters, including pH, total organic carbon, dissolved oxygen, and others. Analytical results demonstrated no significantly elevated levels.

#### 1.4 Attempts to Obtain a Response by Potentially Responsible Parties

A search to locate potentially responsible parties was undertaken by the U.S. EPA Office of Regional Counsel (ORC). Data was gathered from OEPA files and the names of companies that had drums bearing their labels on site were noted. In November 1991, 104(e) letters were sent to the property owners and all suspected responsible parties. At this time, a responsible party failed to come forward to assume responsibility for the cleanup and the U.S. EPA initiated a removal action at the site.

During the removal, Frank Boenzi, a civil investigator with the U.S. EPA, established a temporary office in Medina and interviewed area residents, reviewed records, and followed up on drum label information. As a result of this investigation, 104(e) letters have again been sent out to suspected responsible parties whose names appeared on labels of drums recovered from the site. The U.S. EPA ORC will continue to pursue this line of investigation for cost recovery purposes.

#### 1.5 Federal Actions Taken

On January 13, 1992, verbal authorization for \$50,000 was given for the removal action at the Bohaty Drum site. On January 17, 1992, an Action Memorandum was signed for \$846,280 to mitigate imminent and substantial threats to public health and the environment at the site. On January 17, 1992, a Delivery Order for \$250,000 was approved for the Emergency Response Cleanup Service (ERCS) contractor. On February 18, 1992, the Delivery Order ceiling was raised to \$540,000 and subsequently to \$575,000. The cleanup was conducted by ITEP, Inc., the Region V ERCS contractor. The major phases of the removal action are summarized below.

##### 1.5.1 Preliminary Arrangements - Site Contingency Meeting

On January 14, 1992, OSC Renninger and U.S. EPA TAT met with representatives of various Medina Township and Medina City agencies, including fire departments, police departments, emergency medical services, Hazardous Materials Response Team, and emergency planning agencies. Representatives of community groups and the Medina Township Board of Trustees were also in attendance. The OSC presented his outline for removal operations and answered any questions. A site emergency contingency plan to be followed by local emergency service

groups in the event of an on-site emergency was also drafted at this time.

#### 1.5.2 Preliminary Arrangements - Safety and Support

On January 14, 1992, OSC Renninger, Response Manager (RM) Mike Bowser of ERCS, and TAT met at the site to discuss the scheduled cleanup activities and technical approach. A work zone and perimeter air monitoring schedule was originated at this time and the site safety plan was approved. The support and hot zones were designated, and plans were made to supply the support zone with electricity and city water service. As the nearest tie-in point for these services was on Weatherstone Condominium Association property, the OSC contacted the president of the association to gain access. Verbal approval to make this temporary connection was given by Jerry Buddie, Association Vice President, on January 14, 1992. This was followed by written approval on January 24, 1992.

On January 15, 1992, the ERCS crew and equipment were mobilized to the site and site mobilization was initiated. A decontamination trailer, a break trailer, and a command post trailer were mobilized to the site to establish a support zone. A schematic of the various work zones is presented in Figure 3. During the entirety of the removal action (January 15 through March 23, 1992), a security service was employed to provide site security during non-working hours. On March 23, 1992, security was reduced to 0800 through 1700 hours, Monday through Friday. This arrangement continued until April 24, 1992, when the majority of the containerized waste was shipped off site for disposal.

#### 1.5.3 Extent-of-Contamination Sampling

On January 23, 1992, the TAT collected several samples in an attempt to determine what, if any, impact the decaying drums have had on the surface water and sediments of the Bohaty site. During the initial site assessment, drums containing lab-pack chemicals had been noted to be located in several marsh areas along the southern site perimeter. As surface drainage from these marsh areas was to the northeast and into an unnamed stream that flowed off site, the OSC chose sample points down-gradient from the lab-pack drums. Marsh conditions in this area were created due to installation of an underground sewer line in the mid-1980's. All soil/sediment samples were composites of five discrete points, while the single surface water sample was collected from mid-channel in the stream. A background sample (BC01) was taken to the south of the Bohaty property, behind the Cedar Pointe Plaza shopping area. Analysis of the samples revealed that the decaying drums had no apparent impact on the quality of the stream water or the stream and marsh sediments. Sample locations are illustrated in Figure 4.

#### 1.5.4 Drum Location and Recovery

From January 16 through February 24, 1992, ERCS personnel and TAT members proceeded throughout the Bohaty property, locating abandoned

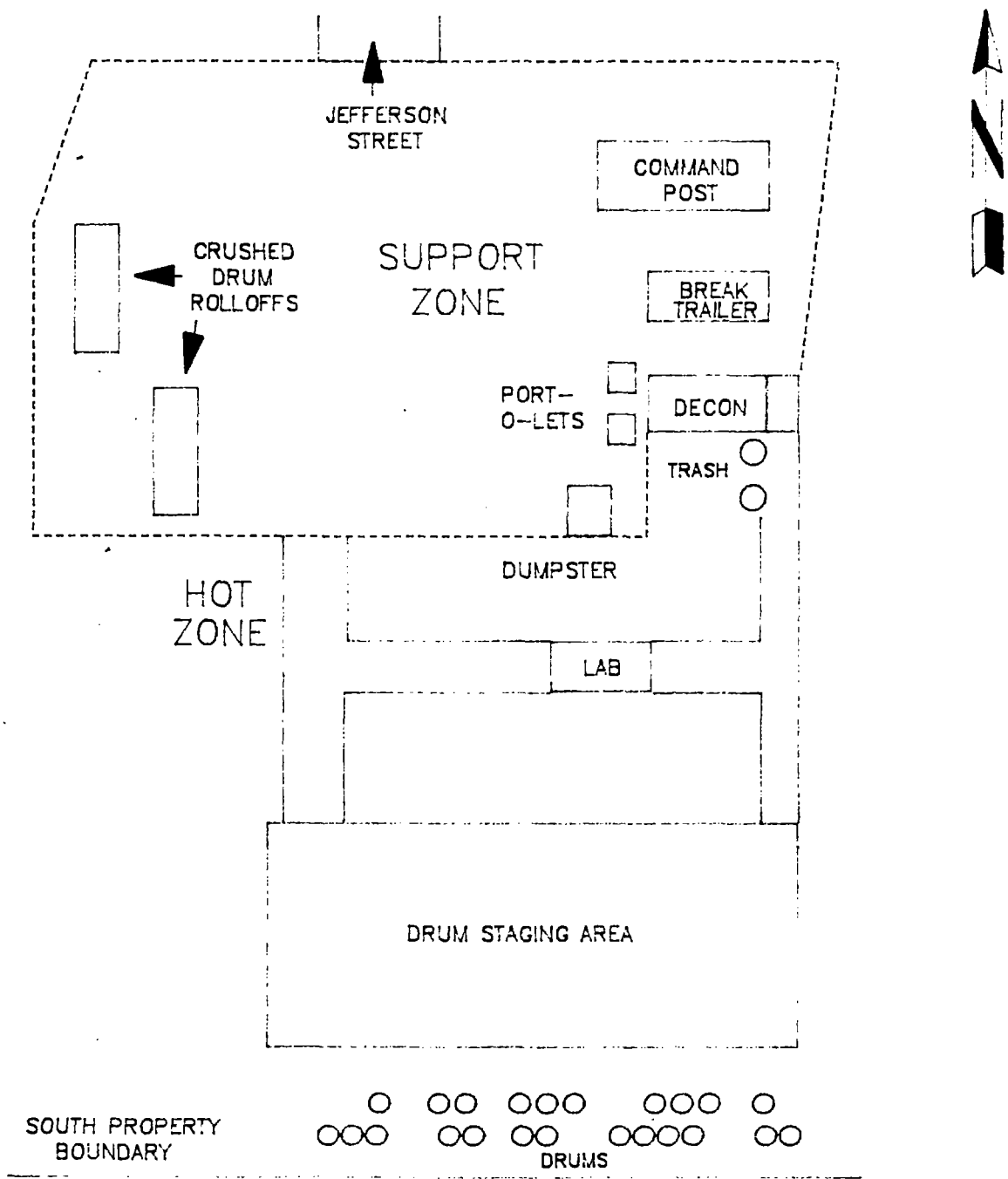


FIGURE 3  
 SUPPORT ZONE/STAGING AREA  
 BOHATTY DRUM SITE  
 MEDINA TOWNSHIP  
 MEDINA COUNTY, OHIO

NOT TO SCALE



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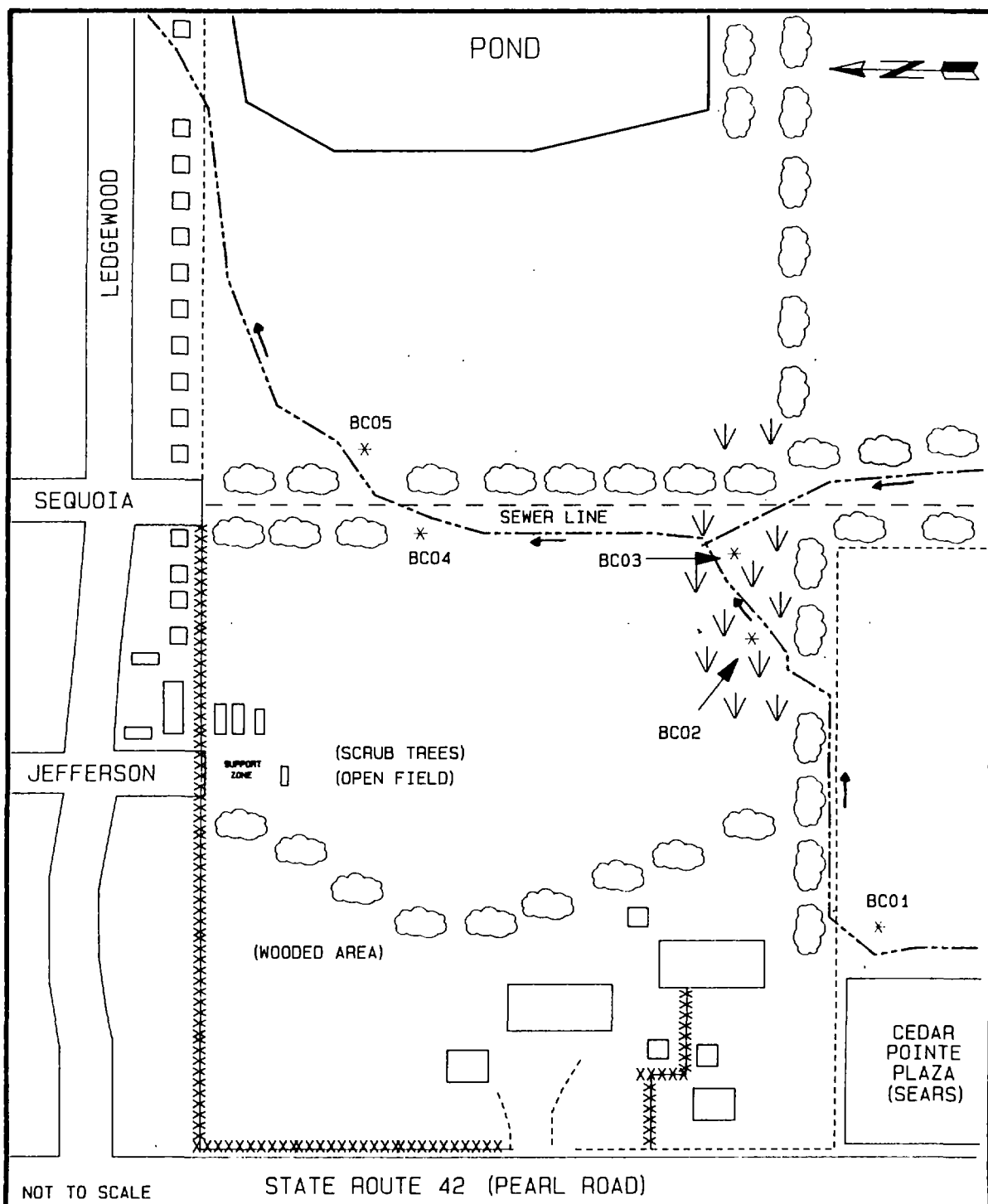


FIGURE 4  
EXTENT OF CONTAMINATION  
SAMPLE COLLECTION POINTS  
BOHATY DRUM SITE  
MEDINA TOWNSHIP, OHIO



TREE	MARSH	SAMPLE POINT	PROPERTY LINE	STREAM

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drums. Drums were inspected and information recorded with respect to drum condition and labeling, contents, whether they had spilled contents to the ground, and whether they demonstrated elevated organic levels.

All drum information was entered into a computer drum information database. Drums that were intact and securely closed were not opened in the field. All drums with contents were placed into 85-gallon overpacks for stabilization, assigned a discrete numerical designation, and transported to a drum staging area to be inventoried and sampled for hazard categorization testing. Several additional drums were located after the main drum recovery effort ended on February 24. These drums were also overpacked, inventoried, and sampled for waste stream assignment. Approximately 1,000 drums were identified during this time.

The location of each abandoned drum recovered was noted and recorded on a site schematic. This schematic is presented as Figure 5.

#### 1.5.5 Drum Sampling and Hazard Categorization

Simultaneous with the recovery and overpacking operation, ERCS chemists opened the retrieved drums, collected samples, and completed drum logs for each drum. All samples underwent standard hazard categorization testing which included tests for pH, flammability, combustibility, oxidation potential, and other disposal parameters. Hazard categorization sheets were completed for each sample. Hazard categorization results were later utilized to assign the various drums into compatible waste streams. A total of 10 waste streams were identified at the Bohaty site. Waste streams included: paint wastes/landfill solids (this included empty, crushed drums); acids; base/neutrals; fuel-solids; fuel-liquids; PCBs; lab-pack chemicals; pesticides/herbicides; UST liquids and solids; and expended PPE. Composite samples of each waste stream were prepared for submission to various disposal facilities.

#### 1.5.6 Pesticide-Containing Drums

During the initial site assessment, a group of drums were discovered to the east of the sewer line that cuts across the Bohaty property (Figure 5). Field observations suggested that these drums contained a pesticide/herbicide material. Laboratory analyses conducted on these materials confirmed that they contained Heptachlor (pesticide) and 2,4-D (herbicide), both on the Target Compound List. As a result, ERCS crew members returned to this area and excavated the surface layer of soil on which these decayed drums had been resting.

#### 1.5.7 Consolidation of Drum Contents

Approximately 550 of the 1,000 drums initially recovered at the Bohaty Drum site were determined to contain a waste stream. The contents of these partial drums were consolidated to make full drums, and the empty drums generated were crushed and placed in 20 cubic yard roll-off boxes

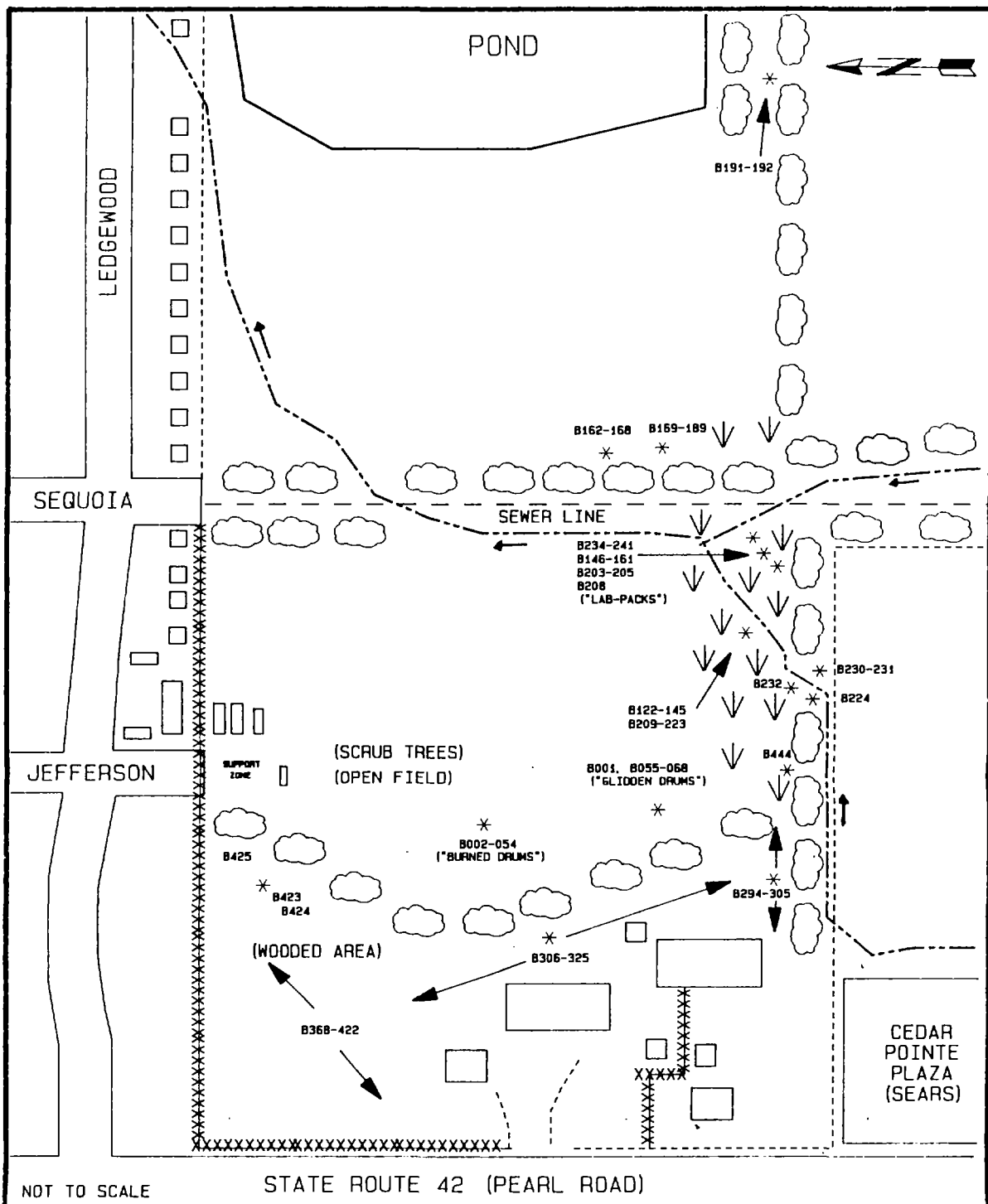


FIGURE 5  
ABANDONED DRUM LOCATIONS  
BOHATY DRUM SITE  
MEDINA TOWNSHIP, OHIO



TREE	↓ MARSH LOCATIONS	* DRUM	--- PROPERTY LINE	--- STREAM
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for off-site disposal. This portion of the consolidation procedure occurred concurrently with the drum recovery operation.

On February 26, 1992, approval was received from Envirosafe Services of Ohio to ship the paint waste/debris waste stream in lined roll-off boxes rather than in steel drums. To this end, all drums designated for that waste stream (based on hazard categorization test results) and those of paint-related debris were emptied into the hazardous materials roll-off boxes and shipped to Envirosafe. Roll-off boxes of paint waste/debris were shipped off site on February 28, March 11, and March 25, 1992. The RCRA-empty drums generated by consolidation were crushed and placed in separate roll-off boxes.

During the sampling and hazard categorization procedures, it was noted that many of the drums in the various waste streams were less than 100 percent full. In order to maintain maximum cost efficiency, these partial drums were combined with other compatible drums within each waste stream. On March 9, 1992, the ERCS crew began consolidating partial drums in the fuel-solids waste stream. These wastes had been approved for disposal at Clark Processing's fuel blending facility. Consolidation, which concluded on March 10, 1992, reduced the number of fuel-solid drums for disposal from 178 to 91. As with all consolidation work, the RCRA-empty drums generated by the process were crushed and shipped to Envirosafe Services for disposal.

On March 11, 1992, the 26 drums of lab-pack chemicals were combined into a lined roll-off box. All bottles were consolidated and the materials were well mixed. Where necessary, lime was added to absorb free liquids. This homogeneous solid was transferred into poly-lined 55-gallon drums on March 13, 1992. Samples of the mixture were collected and sent out to various facilities for disposal approvals.

In total, consolidation of wastes reduced the number of drums with contents to be sent for off-site hazardous waste disposal from the original 1,000 recovered to 309. Approximately 700 RCRA-empty drums were generated by the consolidation procedures. These RCRA-empty drums were crushed and shipped off site for disposal in a total of 11 separate loads.

#### 1.5.8 Overpacking of Drums

In order to better stabilize drums that were in extremely deteriorated condition, overpacking occurred in the field at the time of the drums' initial recovery. Drum overpacking occurred from January 16 through February 24, 1992. Each overpacked drum was assigned a discrete numerical designation which was tracked from the time of initial recovery through the final disposal of that drum. After being moved to the drum staging area, each overpack and drum was opened, inventoried, and sampled. All data was recorded on drum sheets and transferred to a computer drum log.

#### 1.5.9 Crushing Empty Drums

After consolidating the contents of the partially full drums and ensuring that they were RCRA-empty, the approximately 700 empty drums were crushed. Overpacks that were damaged through handling or had been contaminated by a leaking drum were also crushed. Overpacks that remained in good condition were used to ship drums of waste off site for final disposal. The crushed drums and overpacks were placed into eleven 20-yard hazardous materials roll-off boxes that had been rented from Dart Trucking. Each fully loaded roll-off was covered and shipped off site to EnviroSafe Services for disposal. Crushed drums were shipped off site between February 13, 1992, and March 25, 1992, and again on April 28, 1992.

#### 1.5.10 Geophysical Surveys

At the OSC's request, personnel from the U.S. EPA's ERT and Response Engineering Analytical Contract (REAC) responded to the site on two separate occasions to conduct magnetometer and electromagnetic surveys to identify the locations of submerged or subsurface drums. An investigation of the pond was initiated due to the proximity of several abandoned drum groups to the pond shoreline. On February 10 through 12, 1992, the team conducted a survey of the pond located along the northern perimeter of the site. As the pond was frozen at the time, the magnetometers were pulled across the surface of the ice. Several potential underwater drum locations were identified. During the second phase of this survey, the crew returned to these points and, after chopping holes in the ice, inspected the areas with an underwater video camera. Of the several "hits" for metal objects their survey recorded, only one was found to be a drum, and this appeared to be empty. The other positive readings were determined to be fencing, auto parts, washing machine, and other metal debris. On February 20, 1992, the submerged drum was recovered from the pond; closer examination revealed it to be a discarded barrel that had been used for burning trash.

At the OSC's request, the ERT also collected several water and sediment samples to be analyzed for VOAs, BVAs, cyanide, metals, PCBs and pesticides. Sample locations included the unnamed stream that drains the marsh area, the pond, and the portion of the unnamed stream that runs through the Stonegate neighborhood. Analytical data from these samples are presented in Attachment E. Analytical results suggested that the stream, pond, and their sediments have not been adversely impacted by the abandoned drums on the Bohaty site.

On March 9 and 10, 1992, the ERT/REAC team returned to site to survey for suspected subsurface drums in three locations along the southern site perimeter. Several potential buried drums were identified during the electromagnetic survey. Magnetic anomalies noted during the survey were plotted on a computer-generated map. On March 12, 1992, the ERCS crew excavated each potential drum location. A total of three drums, one with content and two empty, were recovered. The remainder of the positive responses were determined to be buried metal scrap.

#### 1.5.11 Other Miscellaneous Tasks

Prior to beginning the removal action, the designated hot zone was delineated with a rope fence and flagged with "hazardous materials" banners at 5-foot intervals. U.S. EPA "No Trespassing" and other warning signs were posted at all points of access to the site. The dead end of Jefferson Street, the point of entry to the support zone, was barricaded with a snow fence and posted with warning signs.

Heavy equipment used throughout the drum recovery left deep ruts in the wet, clay soil in several places around the site. Prior to the final crew demobilization of March 18, 1992, these ruts were graded and every effort was made to return the site to pre-removal conditions.

The last drums were shipped off site for final disposal on May 7, 1992. At this time, a front loader was used to remove the earthen ramp placed at the dead end of Jefferson Street. This ramp had been used to allow vehicular access to the site support zone, and its removal effectively eliminated this point of access.

During the installation of subsurface electric and water service to the support zone, a small section of lawn owned by the Weatherstone Condominium Association was damaged. On May 7, 1992, the ERCS contracted with Bill's Landscaping of Valley City, Ohio, for the repair and reseeding of the lawn.

#### 1.5.12 Transportation and Disposal of Wastes

Roll-off boxes containing crushed, RCRA-empty steel drums were shipped off site for disposal at Envirosafe Services, Oregon, Ohio, throughout much of the removal. The first roll-off of crushed drums left the site on February 13, 1992, while that last (11 total) left on March 25, 1992. The waste stream designated paint-landfill/debris was also shipped for off-site disposal at Envirosafe Services during the removal action (February 28, March 11, and March 25, 1992).

Approximately 57 cubic yards of paint waste solids (Hazardous Waste, Solid N.O.S. - D040) were shipped off site for disposal on February 28, March 11, and March 25, 1992. The paint waste was transported by Dart Trucking to Envirosafe Services of Ohio, Oregon, Ohio, for disposal at their landfill. Approximately 199 cubic yards of crushed, RCRA-empty steel drums (non-hazardous, non-regulated material) and 32 cubic yards of spent PPE (Hazardous Waste, Solid N.O.S., NA9189 - D007) were also transported to Envirosafe for disposal. These wastes were transported off-site between February 13 and March 25, 1992. On March 17, 1992, approximately 6,000 pounds of soil containing Heptachlor (a pesticide) and 2,4-D (a herbicide) (Hazardous Waste, Solid N.O.S., NA9189 - U240, P059, D016, D031, F001, F005) were transported by Tri-State Motor Transit Company for off-site disposal. The waste was shipped to ENSCO, Inc., in El Dorado, Arkansas, for incineration. Approximately 1,705 gallons of flammable liquids (Flammable Liquid, UN1993 - D001 and D008) were shipped off site for disposal on March 19, 1992. The flammable

liquids were transported by Dart Trucking to Clark Processing, Dayton, Ohio, for fuel blending. Dart also transported 30,000 pounds of flammable solids (Flammable Solid, UN1325 - D001) to Clark Processing on March 17, 1992, with an additional 9,000 pounds of the same waste being transported on March 19, 1992. On April 1, 1992, one drum (approximately 300 kilograms) of PCB-contaminated waste (Flammable Liquid, D001, D008, PCB) was shipped off site by Dart Trucking. The waste was sent to Aptus, Coffeyville, Kansas, for incineration. Six hundred gallons of Hazardous Waste Liquid, N.O.S. (NA 9189) was transported off site by Dynecol, Inc., to their Detroit, Michigan, facility for treatment and disposal on April 24, 1992. On April 28, 1992, Dart Trucking transported a load of crushed empty drums (non-hazardous, non-regulated) and paint waste solids (Hazardous Waste Solid, N.O.S. - D040) to Envirosafe Services of Ohio, Oregon, Ohio, for landfilling. The load was composed of 4 cubic yards of paint waste and 6 cubic yards of crushed drums. On May 7, 1992, the final shipment of waste was transported from site by Transtec Trucking to Aptus, Lakeville, Minnesota, for incineration. The load consisted of 24 drums (approximately 6,000 kilograms) of Hazardous Waste Solid, N.O.S. (D007, PCB). The preceding information is summarized in the waste disposal log which appears as Table 1. All off-site disposal facilities were in compliance with the U.S. EPA off-site policy at the time of transportation and/or disposal of the wastes. All actions taken were consistent with the NCP.

#### 1.5.13 Post-Cleanup Meeting

On March 24, 1992, OSC Renninger and U.S. EPA TAT met with representatives of various Medina Township and Medina City agencies including fire departments, police departments emergency medical services, Hazardous Materials Team, and emergency planning agencies. Representatives of Stonegate Homeowners Association and the Medina Township Board of Trustees were also in attendance. The OSC presented a summary of the removal action to date, answered any questions, and presented a video tape of activities that had occurred in the course of the cleanup. A copy of the video tape was provided to Buck Adams, representative of the Medina County Local Emergency Planning Committee (LEPC).

#### 1.5.14 Post-Cleanup Sampling

Data from disposal analysis of the waste from the lab-pack waste stream revealed the presence of PCBs at a level of over 800 parts per million (ppm). As many of the lab-pack drums had been in poor condition, concern was expressed that the PCBs might have leaked out and contaminated the soils. In response to this concern, the OSC instructed the TAT to collect additional samples from the marsh area from which the lab-pack drums were recovered. These samples, collected on April 2, 1992, were analyzed for PCBs with a detection limit of 1 ppm.

# TABLE 1 WASTE DISPOSAL SUMMARY

BOHATY DRUM  
MEDINA, OHIO

WASTE CATEGORY	QUANTITY SHIPPED	DATE SHIPPED	MANIFEST NUMBER	DISPOSAL METHOD	FACILITY LOCATION
RQ WASTE FLAM. LIQUID N.O.S. UN 1993 D008, D001	1705 GALLONS	03/19/92	21216	FUEL BLENDING	CLARK PROCESSIN DAYTON, OH
RQ WASTE FLAM. SOLID N.O.S. UN 1325,D001	9000 POUNDS	03/19/92	21216	FUEL BLENDING	CLARK PROCESSIN DAYTON, OH
RQ WASTE FLAM. SOLID N.O.S. UN 1325,D001	30,000 POUNDS	03/17/92	21215	FUEL BLENDING	CLARK PROCESSIN DAYTON, OH
RQ HAZ. WASTE SOLID N.O.S. NA9189,D007	4 CUBIC YARDS	03/25/92	21217	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA9189,D007	14 CUBIC YARDS	03/25/92	21216	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA9189,D040	3 CUBIC YARDS	03/25/92	21218	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA 9189,D040	18 CUBIC YARDS	02/28/92	21209	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA 9189,D040	18 CUBIC YARDS	02/28/92	21210	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA 9189,D040	18 CUBIC YARDS	03/11/92	21212	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
RQ HAZ. WASTE SOLID N.O.S. NA9189,U240 P059, etc.	6000 POUNDS	03/17/92	21214	INCINER- ATION	ENSCO, INC EL DORADO,AR
RQ HAZ. WASTE SOLID N.O.S. NA9189,D007	14 CUBIC YARDS	03/13/92	21213	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH

**TABLE 1****WASTE DISPOSAL SUMMARY**

BOHATY DRUM  
MEDINA, OHIO

WASTE CATEGORY	QUANTITY SHIPPED	DATE SHIPPED	MANIFES NUMBER	DISPOSAL METHOD	FACILITY LOCATION
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	14 CUBIC YARDS	03/25/92	21217	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	4 CUBIC YARDS	03/25/92	21216	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	15 CUBIC YARDS	03/25/92	21218	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/13/92	21201	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/13/92	21202	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/21/92	21203	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/24/92	21204	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/25/92	21205	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/26/92	21206	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/27/92	21207	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	02/28/92	21208	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	18 CUBIC YARDS	03/11/92	21211	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NON-HAZARDOUS NON-REGULATED	4 CUBIC YARDS	03/13/92	21213	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH

TABLE 1

## WASTE DISPOSAL SUMMARY

BOHATY DRUM  
MEDINA, OHIO

WASTE CATEGORY	QUANTITY SHIPPED	DATE SHIPPED	MANIFEST NUMBER	DISPOSAL METHOD	FACILITY LOCATION
RQ WASTE FLAM. LIQUID N.O.S. NA 9189 D001, PCB	300 KILO-GRAMS	04/01/92	21219	INCINERATION	APTUS COFFEYVILLE, KANSAS
RQ WASTE FLAM. LIQUID N.O.S. NA 9189 D007, PCB	6000 KILO-GRAMS	05/07/92	21222	INCINERATION	APTUS LAKEVILLE, MINNESOTA
HAZ. WASTE LIQUID, N.O.S. N.A. 9189	600 GALLONS	04/24/92	21220	TREATMENT	DYNECOL, INC. DETROIT, MI
RQ HAZ. WASTE SOLID N.O.S. NA9189,D040	4 CUBIC YARDS	04/28/92	21221	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH
CRUSHED DRUMS NONHAZARDOUS NONREGULATED	6 CUBIC YARDS	04/28/92	21221	LANDFILL	ENVIROSAFE SERVICES OF OHIO OREGON, OH

On April 8, 1992, the OSC received analytical results for the post-cleanup samples. No PCBs over the detection limit of 1 ppm were discovered at any of the sampling locations.

#### 1.6 Community Relations

The site is located in the midst of an extremely busy commercial area and adjacent to a rapidly growing residential development, and was the subject of many inquiries by the public. News coverage of the removal action was also carried by three area newspapers and a local television station. Throughout the removal, OSC Renninger maintained a positive rapport with both State and local agencies, as well as the community and the press. Throughout the removal action, the OSC briefed the Medina County LEPC coordinator on a weekly basis.

#### 1.7 Cost Summary

ITEP was the primary ERCS contractor under Delivery Order #7460-05-212; all on-site activities were performed by ITEP. Major site activities commenced on January 15, 1992, and final off-site waste disposal was completed on May 7, 1992. Daily expenditures for services provided by ITEP totaled \$556,986. A breakdown of contractor expenditures into major categories of labor, equipment, and materials is shown in Table 2.

Any indication of specific costs incurred at the site is only an approximation, subject to audit and final definitization by the U.S. EPA. The OSC Report is not meant to be a final reconciliation of the costs associated with a particular site.

### 2.0 EFFECTIVENESS OF REMOVAL ACTION

#### 2.1 The Potentially Responsible Parties

No actions were taken by the PRPs. Refer to Section 1.4.

#### 2.2 State and Local Agencies

As discussed in Section 1.2, the OEPA performed two site investigations of the Bohaty property (1987 and 1989) in response to the report of abandoned drums. On September 16, 1991, the OEPA requested assistance from the U.S. EPA in addressing the environmental threat posed by the site. An investigation by the U.S. EPA lead to the subsequent removal action. State and local agencies were cooperative with the U.S. EPA throughout the entire removal action.

#### 2.3 Federal Agencies

The U.S. EPA provided all monetary resources for the removal at the Bohaty Drum site. Under the direct guidance of OSC Steve Renninger, the drums were assessed for compatibility, sampled, consolidated, packed and shipped for disposal as discussed in Section 1.5.

TABLE 2  
SUMMARY OF TOTAL ESTIMATED REMOVAL COSTS  
Bohaty Drum Site  
January 15, 1992, through May 7, 1992

EXTRAMURAL COSTS:

ERCS Contractor - ITEP (1)	\$556,986.00
Labor/Travel/Subsistence	\$167,184.00
Equipment	\$ 9,325.00
Materials	\$ 12,253.00
Subcontractors (Transportation & Disposal)	\$368,224.00
TAT Contractor (2)	<u>\$ 65,500.00</u>
Subtotal	\$622,486.00

INTRAMURAL COSTS:

U.S. EPA, OSC - Direct Costs	\$ 10,928.00
Indirect Costs (3)	<u>\$ 19,306.00</u>
Subtotal	\$ 30,234.00
	=====
ESTIMATED TOTAL PROJECT COSTS	\$652,720.00
PROJECT CEILING	\$846,280.00

(1) Source: ERCS Contractor -ITEP, Inc.,  
Invoice #1212-4 , 9-14-92

(2) Source: Ecology & Environment RORIS System, 10-17-92

(3) Source: Incident Obligation Log, 11-21-92

## 2.4 Contractors

The ERCS contractor, ITEP, worked efficiently and was cost conscious throughout the removal. The OSC felt that ITEP made a commendable effort in stabilizing a large site under difficult winter (January-March) working conditions.

The TAT contractor, Ecology and Environment, executed effectively throughout the removal action in difficult working conditions. Tasks included air monitoring, sampling, and documentation which provided valuable information to the OSC.

## 3.0 DIFFICULTIES ENCOUNTERED

### 3.1 Weather Conditions

The removal action at the Bohaty site was initiated during difficult winter conditions. Heavy snow, frozen ground, and extreme cold created many operational difficulties and health and safety concerns for personnel. Extra break periods were necessary to guard work crews against cold stress injury.

Spring thaw conditions also created a number of difficulties. Portions of the site became inaccessible to heavy equipment due to extremely deep mud. Mud also made it difficult for walking personnel to navigate the site.

The proximity of adjacent residential areas to the abandoned drums and large size of the site (150 acres) created operational and communication problems. To overcome these difficulties, a great degree of coordination was necessary between the OSC, TAT, ERCS RM, and crew to conduct detailed, daily safety meetings, establish daily work zones, and maintain constant radio communication.

### 3.2 Site Size

Drums were scattered throughout the 150-acre Bohaty site. The size of the site caused operational and communication difficulties. To alleviate this problem, radios were carried by all work crews. This allowed the RM and the OSC to remain in constant contact with the field personnel.

### 3.3 Safety

The size and condition of the site and weather conditions encountered created a number of unique safety concerns. To overcome these difficulties, a great degree of coordination was necessary between the OSC, TAT, RM, and crew to conduct detailed, daily safety meetings, establish daily work zones, and maintain constant communication.

#### 4.0 OSC RECOMMENDATIONS

Increased communication between local agencies (fire departments, Haz-Mat Team, LEPC) and U.S. EPA will insure prompt investigation and removal actions at uncontrolled hazardous waste sites in the future.

**ATTACHMENT A**

**SITE PHOTOLOG**

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 1 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 01/20/92

TIME: A.M.

DIRECTION OF

PHOTOGRAPH: SOUTHWEST

WEATHER

CONDITIONS: EXTREMELY COLD,  
OVERCAST

PHOTOGRAPHED BY:

S.L. BASHAM

SAMPLE ID

(if applicable):



DESCRIPTION: WARNING SIGNS POSTED AT THE SITE ENTRANCE; EXTREME SOUTH END OF JEFFERSON STREET.

DATE: 01/25/92

TIME: 1001

DIRECTION OF

PHOTOGRAPH: SOUTHEAST

WEATHER

CONDITIONS: COLD, SNOWY

PHOTOGRAPHED BY:

S.L. BASHAM

SAMPLE ID

(if applicable):



DESCRIPTION: VIEW OF SUPPORT ZONE. FROM LEFT TO RIGHT, TRAILERS ARE COMMAND POST, BREAK TRAILER, AND DECONTAMINATION TRAILER.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 2 OF 10

U.S. EPA ID:

TDD: T05-9112-035 PAN: EOH0943FAA

DATE: 01/22/92

TIME: A.M.

DIRECTION OF  
PHOTOGRAPH: NORTH

WEATHER  
CONDITIONS: COLD, SNOWY

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: ERCS CREW SORTING THROUGH ABANDONED DRUMS THAT HAVE FROZEN TO THE GROUND.

DATE: 01/25/92

TIME: 0932

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: COLD

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: ERCS CHEMIST COLLECTING DRUM SAMPLE FOR HAZCAT ANALYSIS. NOTE DRUM TOP HAD TO BE CUT OPEN.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 3 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 02/19/92

TIME: 1345

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: LEAKING DRUM PLACED INTO OVERPACK, EMPTY DRUMS IN RIGHT HAND BACKGROUND.

DATE: 02/20/92

TIME: 1109

DIRECTION OF  
PHOTOGRAPH: UNKNOWN

WEATHER  
CONDITIONS: OVERCAST, COOL

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: EXCAVATOR PULLING DRUMS OUT OF HEAVY BRUSH; NOTE MUDDY CONDITIONS.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 4 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 02/21/92

TIME: 1049

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: SUNNY, COOL

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: "GLIDDEN" PAINT DRUM WITH SOLIDIFIED CONTENTS OOZED OUT TOP.

DATE: 02/21/92

TIME: 1156

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: COOL

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: DOW CHEMICAL DRUM.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 5 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 02/21/92

TIME: 1346

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: SUNNY, COOL

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: DRUM LABELED "FORB... FINIS... DIVI..." AND BEARS THE PITTSBURGH PLATE GLASS (PPG) EMBLEM.

DATE: 02/24/92

TIME: 0847

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: COOL, OVERCAST

PHOTOGRAPHED BY:  
R.A. FODO

SAMPLE ID  
(if applicable):



DESCRIPTION: PPG DRUM CONTAINING "DURACRON - THERMO SETTING ACRYLIC ENAMEL."

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 6 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 02/26/92

TIME: 1020

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: SUNNY, COOL

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: DRUM LABELED "STATE CHEMICAL - MANUFACTURING HEADQUARTERS, CLEVELAND, OHIO."

DATE: 02/26/92

TIME: 1024

DIRECTION OF  
PHOTOGRAPH: SOUTH

WEATHER  
CONDITIONS: OVERCAST, COOL

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: ERCS CREW CONSOLIDATING PAINT SOLIDS.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 7 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 02/13/92

TIME: 0846

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: N/A

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: DRUM LABELED "VIBRATHANE."

DATE: 02/13/92

TIME: 0943

DIRECTION OF  
PHOTOGRAPH: WEST

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: VIEW OF THE "PESTICIDE" AREA.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 8 OF 10

U.S. EPA ID:

TDD: T05-9112-035 PAN: EOH0943FAA

DATE: 02/29/92

TIME: 1332

DIRECTION OF  
PHOTOGRAPH: N/A

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
E.S. LANDIS

SAMPLE ID  
(if applicable):



DESCRIPTION: ERCS CREW PICKING UP LAB-PACK BOTTLES FROM THE GROUND TO BE PLACED  
IN AN OVERPACK.

DATE: 03/13/92

TIME: P.M.

DIRECTION OF  
PHOTOGRAPH: SOUTH

WEATHER  
CONDITIONS: COLD

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: ERCS CREW USING LARGE METAL FUNNEL TO PLACE CONSOLIDATED LAB-PACK MATERIAL INTO  
POLY LINED DRUMS FOR OFF-SITE DISPOSAL.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 9 OF 10

U.S. EPA ID:

TDD: T05-9112-035 PAN: EOH0943FAA

DATE: 03/25/92

TIME: 0824

DIRECTION OF  
PHOTOGRAPH: SOUTHEAST

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: VIEW OF SUPPORT ZONE AREA AFTER SITE DEMOBILIZATION.

DATE: 03/25/92

TIME: 0828

DIRECTION OF  
PHOTOGRAPH: NORTHWEST

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: RIG FROM DART TRUCKING PICKING UP ROLLOFF BOX OF PAINT-LANDFILL/DEBRIS WASTESTREAM.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BOHATY DRUM

PAGE 10 OF 10

U.S. EPA ID:

TDD: T05-9112-035

PAN: EOH0943FAA

DATE: 03/25/92

TIME: 0900

DIRECTION OF  
PHOTOGRAPH: SOUTH

WEATHER  
CONDITIONS: COLD, OVERCAST

PHOTOGRAPHED BY:  
S.L. BASHAM

SAMPLE ID  
(if applicable):



DESCRIPTION: DRUMS REMAINING IN THE SUPPORT ZONE TO BE SHIPPED OFF-SITE FOR FINAL DISPOSAL.

DATE:

TIME:

DIRECTION OF  
PHOTOGRAPH:

WEATHER  
CONDITIONS:

PHOTOGRAPHED BY:

SAMPLE ID  
(if applicable):

DESCRIPTION:

**ATTACHMENT B**

**SITE ACTIVITY LOG**

BOHATY DRUM ACTIVITY LOG  
JANUARY 1992

ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PRELIMINARY MEETING							<-->							<-->																	
MOBILIZE CREW														<-->							<-->										
MOBILIZE EQUIPMENT														<----->							<----->				<-->						
OFF-SHIFT SECURITY																															
ROAD CONSTRUCTION															<----->						<----->			<-->							
SITE PREPARATION														<----->							<----->							<-->			
OVERPACK & STAGE DRUMS																						<----->				<----->					
SAMPLE CREEK-EXTENT OF CONT.																							<-->								
SAMPLE OVERPACKED DRUMS																							<----->			<----->					
HAZ. CAT. DRUM CONTENTS																							<----->			<----->					
COMPOSITE DISPOSAL SAMPLES																											<-->				
SHIP SAMPLES FOR ANALYSIS																							<-->								
SHIP DISPOSAL SAMPLE																											<-->				
COMPOSITE PARTIAL DRUMS																							<----->			<----->					
CRUSH EMPTY DRUMS																							<----->			<----->					

1

[illegible]

**BOHATY DRUM ACTIVITY LOG**  
**MARCH 1992**

ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MOBILIZE CREW								<->																							
OFF-SHIFT SECURITY	<----->																														
DAYLIGHT SECURITY																								<----->					<----->		
CONSOLIDATE WASTE STREAMS									<----->				<->					<->													
CRUSH EMPTY DRUMS									<----->				<->						<->												
COMPOSITE DISPOSAL SAMPLE				<->							<----->							<->													
SHIP DISPOSAL SAMPLES				<->							<----->																				
SHIP WASTE OFF-SITE											<->		<->					<----->							<->						
SHIP EMPTY DRUMS OFF-SITE											<->		<->													<->					
BURIED DRUM SURVEY									<----->																						
RECOVER BURIED DRUMS												<->																			
DEMOBILIZE CREW																			<->												
DEMOBILIZE SITE																<----->															
POST-CLEANUP MEETING																								<->							

BOHATY DRUM ACTIVITY LOG  
APRIL 1992

ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
WASTE TRANSPORTED OFFSITE	<-->																							<-->			<--	-->			
DAYLIGHT SECURITY	<--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---						
CONFIRMATORY SOIL SAMPLING		<-->																													
UST WATER COMPOSITE SAMPLE						<-->																									
CRUSH EMPTY DRUMS																											<-->				
COMPOSITE PAINT SOLIDS																											<-->				
DEMOBE SITE TRAILERS/ELECTRIC																											<-->				

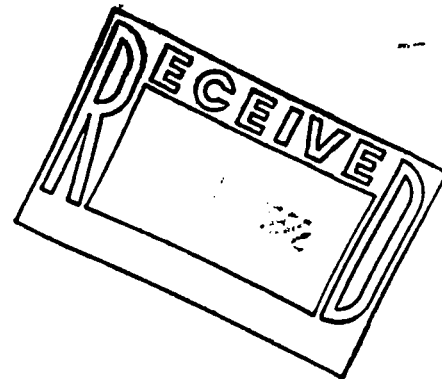
BOHATY DRUM ACTIVITY LOG  
MAY 1992[illegible]

**ATTACHMENT C**

**ANALYTICAL RESULTS  
EXTENT OF CONTAMINATION STUDY**

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack



DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

PARAMETERS:	Total Petroleum Hydrocarbons
SAMPLE #:	
54027 (5-092808)	None Detected (<5.0 ppm)
54028 (5-092320)	7.9 ppm
54029 (5-092321)	6.7 ppm
54030 (5-092322)	None Detected (<5.0 ppm)
54031 (5-092323)	None Detected (<5.0 ppm)

Method of Analysis: EPA 418.1 (IR)

Quality Control:	Spiked	Recovery
Hydrocarbon Mixture	2.5 ppm	94.4%
(Chlorobenzene)		
(Isooctane)		
(Hexadecane)		

National Laboratories, Inc.

*Nang Huynh*

Nang Huynh  
Lab Manager

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

TCLP ANALYSIS

TO: IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack

DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

SAMPLE IDENTIFICATION: 54028 (EPA Tag #5-092320)

1. Toxicity Characteristic Leaching Procedure (TCLP)
  - a. The percent solid of the waste after drying at 80°C: >0.5%
  - b. Weight of sample retained for extraction: 100.0 g.
  - c. The volume of filterable liquid that the waste sample contained: 0 ml
  - d. Has the solid portion of the sample:
    1. Been completely sifted through a 9.5 mm standard sieve?  
Yes: X No:
    2. A surface area per gram of material equal to or greater than 3.1 square centimeter?  
Yes: No: X
    3. Been cut, crushed, or ground to the point where it may pass through a 9.5 mm standard sieve?  
Yes: X No:
    4. Been subjected to the "Structural Integrity Procedure?"  
Yes: No: X
  - e. The weight (w) of the solid portion: 100.0 g.
  - f. The initial volume (v) of Solution #1 (w=20) placed in the extractor: 2,000 ml.

SAMPLE #: 54028 (EPA Tag #5-092320)

g. Final pH of extract: 5.30

h. Results for metals analysis via Atomic Absorption (AA) done on extract:

As 0.002 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery = 76

Ba 1.87 mg/L (Maximum allowable 100.0 mg/L)

Matrix spike amount = 20.0 mg/L % Recovery = 124

Cd 0.008 mg/L (Maximum allowable 1.0 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 154

Cr <0.05 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 5.0 mg/L % Recovery = 100

Pb 0.019 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.050 mg/L % Recovery = 93

Hg 0.0005 mg/L (Maximum allowable 0.20 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 106

Se 0.004 mg/L (Maximum allowable 1.0 mg/L)

Matrix Spike amount = 0.020 mg/L % Recovery = 38

\*Note: Low recovery due to matrix interference.

Ag 0.001 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.010 mg/L % Recovery = 85

SAMPLE #: 54028 (EPA Tag #5-092320)

Calibration and sample absorbance data:

	Concentration (mg/L)	Absorbance
As	Blank	0.000
	0.010	0.134
	0.020	0.252
	0.030	0.317
	Sample	0.019
Ba	Blank	0.000
	5.0	0.112
	25.0	0.526
	50.0	0.917
	Sample	0.042
Cd	Blank	0.000
	0.002	0.222
	0.005	0.459
	0.010	0.730
	Sample 1/2x	0.383
Cr	Blank	0.000
	1.00	0.083
	5.00	0.419
	10.00	0.822
	Sample	-0.001
Pb	Blank	0.000
	0.020	0.063
	0.050	0.144
	0.100	0.291
	Sample	0.056
Hg	Blank	0.000
	0.0005	0.007
	0.0010	0.016
	0.0020	0.028
	0.0050	0.073
	0.0100	0.149
	Sample	0.007
Se	Blank	0.000
	0.010	0.036
	0.020	0.081
	0.030	0.109
	Sample	0.006
Ag	Blank	0.000
	0.005	0.101
	0.010	0.210
	0.020	0.438
	Sample	0.021

Note that reported results have been corrected for recoveries as required.

SAMPLE #: 54028 (EPA Tag #5-092320)

Hazardous waste characteristics:

Reactivity	Yes:	No:	N/A
Corrosivity	Yes:	No:	N/A
Reactivity	Yes:	No:	N/A
Metals	Yes:	No:	X

Note: Metals were run using the following SW 846 analytical procedures after digestion:

Detection Limit

As	Method 7060	0.001	mg/L
Ba	Method 7080	0.5	mg/L
Cd	Method 7131	0.005	mg/L
Cr	Method 7190	0.05	mg/L
Pb	Method 7420	0.05	mg/L
Hg	Method 7470	0.0001	mg/L
Se	Method 7740	0.001	mg/L
Ag	Method 7760	0.01	mg/L

  
Signature

1-31-92  
Date

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

TCLP ANALYSIS

TO: IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack

DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

SAMPLE IDENTIFICATION: 54029 (EPA Tag #5-092321)

1. Toxicity Characteristic Leaching Procedure (TCLP)
  - a. The percent solid of the waste after drying at 80°C: >0.5%
  - b. Weight of sample retained for extraction: 100.0 g.
  - c. The volume of filterable liquid that the waste sample contained: 0 ml
  - d. Has the solid portion of the sample:
    1. Been completely sifted through a 9.5 mm standard sieve?  
Yes: X No:
    2. A surface area per gram of material equal to or greater than 3.1 square centimeter?  
Yes: No: X
    3. Been cut, crushed, or ground to the point where it may pass through a 9.5 mm standard sieve?  
Yes: X No:
    4. Been subjected to the "Structural Integrity Procedure?"  
Yes: No: X
  - e. The weight (w) of the solid portion: 100.0 g.
  - f. The initial volume (v) of Solution #1 (w=20) placed in the extractor: 2,000 ml.

SAMPLE #: 54029 (EPA Tag #5-092321)

g. Final pH of extract: 5.33

h. Results for metals analysis via Atomic Absorption (AA) done on extract:

As 0.004 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery = 80

Ba 1.71 mg/L (Maximum allowable 100.0 mg/L)

Matrix spike amount = 20.0 mg/L % Recovery = 127

Cd 0.009 mg/L (Maximum allowable 1.0 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 126

Cr <0.05 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 5.0 mg/L % Recovery = 102

Pb 0.098 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.050 mg/L % Recovery = 61

Hg 0.0007 mg/L (Maximum allowable 0.20 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 111

Se 0.003 mg/L (Maximum allowable 1.0 mg/L)

Matrix Spike amount = 0.020 mg/L % Recovery = 38

\*Note: Low recovery due to matrix interference.

Ag 0.002 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.010 mg/L % Recovery = 89

SAMPLE #: 54029 (EPA Tag #5-092321)

Calibration and sample absorbance data:

	Concentration (mg/L)	Absorbance
As	Blank	0.000
	0.010	0.134
	0.020	0.252
	0.030	0.317
	Sample	0.045
Ba	Blank	0.000
	5.0	0.112
	25.0	0.526
	50.0	0.917
	Sample	0.038
Cd	Blank	0.000
	0.002	0.222
	0.005	0.459
	0.010	0.730
	Sample 1/2x	0.416
Cr	Blank	0.000
	1.00	0.083
	5.00	0.419
	10.00	0.822
	Sample	-0.002
Pb	Blank	0.000
	0.020	0.063
	0.050	0.144
	0.100	0.291
	Sample	0.162
Hg	Blank	0.000
	0.0005	0.007
	0.0010	0.016
	0.0020	0.028
	0.0050	0.073
	0.0100	0.149
	Sample	0.010
Se	Blank	0.000
	0.010	0.036
	0.020	0.081
	0.030	0.109
	Sample	0.003
Ag	Blank	0.000
	0.005	0.101
	0.010	0.210
	0.020	0.438
	Sample	0.035

Note that reported results have been corrected for recoveries as required.

SAMPLE #: 54028 (EPA Tag #5-092320)

Hazardous waste characteristics:

Reactivity	Yes:	No:	N/A
Corrosivity	Yes:	No:	N/A
Reactivity	Yes:	No:	N/A
Metals	Yes:	No:	X

Note: Metals were run using the following SW 846 analytical procedures after digestion:

	Detection Limit
As Method 7060	0.001 mg/L
Ba Method 7080	0.5 mg/L
Cd Method 7131	0.005 mg/L
Cr Method 7190	0.05 mg/L
Pb Method 7420	0.05 mg/L
Hg Method 7470	0.0001 mg/L
Se Method 7740	0.001 mg/L
Ag Method 7760	0.01 mg/L

  
Signature

1-31-92  
Date

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

TCLP ANALYSIS

TO: IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack

DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

SAMPLE IDENTIFICATION: 54030 (EPA Tag #5-092322)

1. Toxicity Characteristic Leaching Procedure (TCLP)
  - a. The percent solid of the waste after drying at 80°C: >0.5%
  - b. Weight of sample retained for extraction: 100.0 g.
  - c. The volume of filterable liquid that the waste sample contained: 0 ml
  - d. Has the solid portion of the sample:
    1. Been completely sifted through a 9.5 mm standard sieve?  
Yes: X No:
    2. A surface area per gram of material equal to or greater than 3.1 square centimeter?  
Yes: No: X
    3. Been cut, crushed, or ground to the point where it may pass through a 9.5 mm standard sieve?  
Yes: X No:
    4. Been subjected to the "Structural Integrity Procedure?"  
Yes: No: X
  - e. The weight (w) of the solid portion: 100.0 g.
  - f. The initial volume (v) of Solution #1 (w=20) placed in the extractor: 2,000 ml.

SAMPLE #: 54030 (EPA Tag #5-092322)

g. Final pH of extract: 5.06

h. Results for metals analysis via Atomic Absorption (AA) done on extract:

As 0.008 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery = 79

Ba 1.81 mg/L (Maximum allowable 100.0 mg/L)

Matrix spike amount = 20.0 mg/L % Recovery = 121

Cd 0.005 mg/L (Maximum allowable 1.0 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 104

Cr <0.05 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 5.0 mg/L % Recovery = 99

Pb 0.117 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.050 mg/L % Recovery = 67

Hg 0.0005 mg/L (Maximum allowable 0.20 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 104

Se 0.002 mg/L (Maximum allowable 1.0 mg/L)

Matrix Spike amount = 0.020 mg/L % Recovery = 49

\*Note: Low recovery due to matrix interference.

Ag 0.002 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.010 mg/L % Recovery = 95

SAMPLE #: 54030 (EPA Tag #5-092322)

## Calibration and sample absorbance data:

	Concentration (mg/L)	Absorbance
As	Blank	0.000
	0.010	0.134
	0.020	0.252
	0.030	0.317
	Sample	0.083
Ba	Blank	0.000
	5.0	0.112
	25.0	0.526
	50.0	0.917
	Sample	0.041
Cd	Blank	0.000
	0.002	0.234
	0.005	0.487
	0.010	0.795
	Sample	0.513
Cr	Blank	0.000
	1.00	0.083
	5.00	0.419
	10.00	0.822
	Sample	-0.001
Pb	Blank	0.000
	0.020	0.070
	0.050	0.193
	0.100	0.337
	Sample	0.146
	1/2x	
Hg	Blank	0.000
	0.0005	0.007
	0.0010	0.016
	0.0020	0.028
	0.0050	0.073
	0.0100	0.149
	Sample	0.007
Se	Blank	0.000
	0.010	0.036
	0.020	0.081
	0.030	0.109
	Sample	0.004
Ag	Blank	0.000
	0.005	0.101
	0.010	0.210
	0.020	0.438
	Sample	0.045

Note that reported results have been corrected for recoveries as required.

Page 4

SAMPLE #: 54030 (EPA Tag #5-092322)

Hazardous waste characteristics:

Reactivity	Yes:	No:	N/A
Corrosivity	Yes:	No:	N/A
Reactivity	Yes:	No:	N/A
Metals	Yes:	No:	X

Note: Metals were run using the following SW 846 analytical procedures after digestion:

Detection Limit

As	Method 7060	0.001	mg/L
Ba	Method 7080	0.5	mg/L
Cd	Method 7131	0.005	mg/L
Cr	Method 7190	0.05	mg/L
Pb	Method 7420	0.05	mg/L
Hg	Method 7470	0.0001	mg/L
Se	Method 7740	0.001	mg/L
Ag	Method 7760	0.01	mg/L

  
Signature

1-31-92  
Date

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

TCLP ANALYSIS

TO: IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack

DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

SAMPLE IDENTIFICATION: 54031 (EPA Tag #5-092323)

1. Toxicity Characteristic Leaching Procedure (TCLP)
  - a. The percent solid of the waste after drying at 80°C: >0.5%
  - b. Weight of sample retained for extraction: 100.0 g.
  - c. The volume of filterable liquid that the waste sample contained: 0 ml
  - d. Has the solid portion of the sample:
    1. Been completely sifted through a 9.5 mm standard sieve?  
Yes: X No:
    2. A surface area per gram of material equal to or greater than 3.1 square centimeter?  
Yes: No: X
    3. Been cut, crushed, or ground to the point where it may pass through a 9.5 mm standard sieve?  
Yes: X No:
    4. Been subjected to the "Structural Integrity Procedure?"  
Yes: No: X
  - e. The weight (w) of the solid portion: 100.0 g.
  - f. The initial volume (v) of Solution #1 (w=20) placed in the extractor: 2,000 ml.

SAMPLE #: 54031 (EPA Tag #5-092323)

g. Final pH of extract: 5.67

h. Results for metals analysis via Atomic Absorption (AA) done on extract:

As <0.001 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery = 85

Ba 2.09 mg/L (Maximum allowable 100.0 mg/L)

Matrix spike amount = 20.0 mg/L % Recovery = 128

Cd 0.005 mg/L (Maximum allowable 1.0 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 152

Cr <0.05 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 5.0 mg/L % Recovery = 97

Pb 0.011 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.050 mg/L % Recovery = 60

Hg 0.0005 mg/L (Maximum allowable 0.20 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery =

Note: No recovery data available due to spiking error

Se 0.010 mg/L (Maximum allowable 1.0 mg/L)

Matrix Spike amount = 0.010 mg/L % Recovery = 22

Note: Low recovery due to matrix interference

Ag 0.0006 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.010 mg/L % Recovery = 92

SAMPLE #: 54031 (EPA Tag #5-092323)

Calibration and sample absorbance data:

	Concentration (mg/L)	Absorbance
As	Blank	0.000
	0.010	0.134
	0.020	0.252
	0.030	0.317
	Sample	0.003
Ba	Blank	0.000
	5.0	0.112
	25.0	0.526
	50.0	0.917
	Sample	0.047
Cd	Blank	0.000
	0.002	0.222
	0.005	0.459
	0.010	0.730
	Sample 1/2x	0.280
Cr	Blank	0.000
	1.00	0.083
	5.00	0.419
	10.00	0.822
	Sample	-0.000
Pb	Blank	0.000
	0.020	0.049
	0.050	0.125
	0.100	0.219
	Sample	0.016
Hg	Blank	0.000
	0.0005	0.007
	0.0010	0.016
	0.0020	0.028
	0.0050	0.073
	0.0100	0.149
	Sample	0.007
Se	Blank	0.000
	0.010	0.036
	0.020	0.081
	0.030	0.109
	Sample	0.007
Ag	Blank	0.000
	0.005	0.101
	0.010	0.210
	0.020	0.438
	Sample	0.011

Note that reported results have been corrected for recoveries as required.

Page 4

SAMPLE #: 54031 (EPA Tag #5-092323)

Hazardous waste characteristics:

Reactivity	Yes:	No:	N/A
Corrosivity	Yes:	No:	N/A
Reactivity	Yes:	No:	N/A
Metals	Yes:	No:	X

Note: Metals were run using the following SW 846 analytical procedures after digestion:

	Detection Limit
As Method 7060	0.001 mg/L
Ba Method 7080	0.5 mg/L
Cd Method 7131	0.005 mg/L
Cr Method 7190	0.05 mg/L
Pb Method 7420	0.05 mg/L
Hg Method 7470	0.0001 mg/L
Se Method 7740	0.001 mg/L
Ag Method 7760	0.01 mg/L

  
Signature

1-31-92  
Date

National Laboratories, Inc.  
3210 Claremont Avenue  
Evansville, IN 47712  
Telephone (812) 464-9000

TCLP ANALYSIS

TO: IT Corporation  
11499 Chester Road  
Cincinnati, OH 45246  
Attn: Jeff McCormack

DATE RECEIVED: 1-24-92  
DATE REPORTED: 1-31-92  
P.O. NUMBER:

SAMPLE IDENTIFICATION: 54027 (EPA Tag #5-092808)

1. Toxicity Characteristic Leaching Procedure (TCLP)
  - a. The percent solid of the waste after drying at 80°C: <0.5%  
therefore extraction was not necessary.
  - b. Final pH of extract: 7.72

SAMPLE #: 54027 (EPA Tag #5-092808)

g. Final pH of extract: 7.72

h. Results for metals analysis via Atomic Absorption (AA) done on extract:

As 0.003 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery = 102

Ba 0.20 mg/L (Maximum allowable 100.0 mg/L)

Matrix spike amount = 20.0 mg/L % Recovery = 93

Cd 0.007 mg/L (Maximum allowable 1.0 mg/L)

Matrix spike amount = 0.005 mg/L % Recovery = 121

Cr 0.06 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 5.0 mg/L % Recovery = 86

Pb 0.006 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.050 mg/L % Recovery = 83

Hg ----- mg/L (Maximum allowable 0.20 mg/L)

Matrix spike amount = 0.020 mg/L % Recovery =

\*Note: No data available.

Se 0.002 mg/L (Maximum allowable 1.0 mg/L)

Matrix Spike amount = 0.020 mg/L % Recovery = 55

Ag 0.003 mg/L (Maximum allowable 5.0 mg/L)

Matrix spike amount = 0.010 mg/L % Recovery = 73

SAMPLE #: 54027 (EPA Tag #5-092808)

Calibration and sample absorbance data:

	Concentration (mg/L)	Absorbance
As	Blank	0.000
	0.010	0.134
	0.020	0.252
	0.030	0.317
	Sample	0.035
Ba	Blank	0.000
	5.0	0.112
	25.0	0.526
	50.0	0.917
	Sample	0.004
Cd	Blank	0.000
	0.002	0.234
	0.005	0.487
	0.010	0.795
	Sample	0.078
Cr	Blank	0.000
	1.00	0.083
	5.00	0.419
	10.00	0.822
	Sample	0.004
Pb	Blank	0.000
	0.020	0.082
	0.050	0.198
	0.100	0.352
	Sample	0.021
Hg	Blank	Note: No Hg data available for this sample. Not enough sample was provided by customer.
	0.010	
	0.020	
	0.030	
	Sample	
Se	Blank	0.000
	0.010	0.036
	0.020	0.081
	0.030	0.109
	Sample	0.005
Ag	Blank	0.000
	0.005	0.101
	0.010	0.210
	0.020	0.438
	Sample	0.039

Note that reported results have been corrected for recoveries as required.

SAMPLE #: 54027 (EPA Tag #5-092808)

Hazardous waste characteristics:

Reactivity	Yes:	No:	N/A
Corrosivity	Yes:	No:	N/A
Reactivity	Yes:	No:	N/A
Metals	Yes:	No:	X

Note: Metals were run using the following SW 846 analytical procedures after digestion:

	Detection Limit
As Method 7060	0.001 mg/L
Ba Method 7080	0.5 mg/L
Cd Method 7131	0.005 mg/L
Cr Method 7190	0.05 mg/L
Pb Method 7420	0.05 mg/L
Hg Method 7470	0.0001 mg/L
Se Method 7740	0.001 mg/L
Ag Method 7760	0.01 mg/L

  
\_\_\_\_\_  
Signature

1-31-92  
\_\_\_\_\_  
Date

**ATTACHMENT D**

**MASTER DRUM LOG**

IOHATY DRUM SITE DRUM DISPOSAL LOG

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
BR01	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/13/92 ENVIROSAFE
BR02	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/13/92 ENVIROSAFE
BR03	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/21/92 ENVIROSAFE
BR04	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/24/92 ENVIROSAFE
BR05	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/25/92 ENVIROSAFE
BR06	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/26/92 ENVIROSAFE
BR07	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/28/92 ENVIROSAFE
BR08	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	2/27/92 ENVIROSAFE
BR09	PAINT/DEBRIS	SOLID	N/A	BFI - 2/19/92 (REJECT 2/21/92) ENVIROSAFE - 2/24/92	2/26/92 ENVIROSAFE	2/28/92 ENVIROSAFE
BR10	PAINT/DEBRIS	SOLID	N/A	BFI - 2/19/92 (REJECT 2/21/92) ENVIROSAFE - 2/24/92	2/26/92 ENVIROSAFE	2/28/92 ENVIROSAFE
BR11	PAINT/DEBRIS	SOLID	N/A	BFI - 2/19/92 (REJECT 2/21/92) ENVIROSAFE - 2/24/92	2/26/92 ENVIROSAFE	3/11/92 ENVIROSAFE
BR12	MT DRUMS	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	3/11/92 ENVIROSAFE
BR13	MT DRUMS/PPE	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	3/25/92 ENVIROSAFE
BR14	MT DRUMS/PAINT	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	3/25/92 ENVIROSAFE
BR15	MT DRUMS/PPE	SOLID	N/A	ENVIROSAFE - 1/22/92 CHEM. WASTE MANAGEMENT - 1/22/92	1/29/92 ENVIROSAFE	3/25/92 ENVIROSAFE
ST01-ST0	SCRAP	SOLID	N/A	N/A	NORTH STAR SMELTER	2/12/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
1001	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1002	FUEL-L	LIQUID	PCB COMPOSITE #1	CLARK	CLARK	CLARK 3/18/92
1003	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B004	FUEL-S	LIQ/SOLID	WATER SOLUBLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B005	FUEL-S	SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
006	PAINT-LF	SOLID	ACID COMPOSITE 002	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
007	FUEL-L	LIQUID/SLUDG	WATER SOLUBLE	CLARK	CLARK	CLARK 3/18/92
008	-----	MT	NOT SAMPLED	---	---	---
B009	PAINT-LF	SOLID	ACID COMPOSITE 002	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B010	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
111	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
112	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
113	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B014	FUEL-S	SOLID	PCB COMPOSITE #3	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B015	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
116	FUEL-S	SOLID	ACID COMPOSITE 002	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
117	FUEL-S	SOLID	ACID COMPOSITE 002	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
118	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B019	FUEL-L	LIQUID	PCB COMPOSITE #2	CLARK	CLARK	CLARK 3/18/92

B020	FUEL-S	SOLID	HAZ-CAT RESULTS SLIGHTLY WATER SOL.	PROFILE SUBMITTED ECOLOTEC CLARK (3/10/92) NEC	APPROVAL CLARK 3/13/92	TRANSPORT CLARK 3/17/92
B021	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B022	FUEL-S	SOLID/SLUDGE	PCB COMPOSITE #5	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B023	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B024	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B025	PAINT-LF	SOLID	SLIGHT WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B026	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B027	---	EMPTY	DID NOT SAMPLE	---	---	---
B028	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B029	B/W-LIQ	LIQUID	WATER SOLUBLE	DYNECOL	DYNECOL	DYNECOL 4/24/92
B030	PAINT-LF	SOLID	SLIGHT WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B031	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B032	FUEL-S	SOLID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B033	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B034	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B035	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B036	FUEL-S	SOLID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B037	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B038	FUEL-L	LIQ/SOLID	COMBUSTABLE	CLARK	CLARK	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B039	PAINT-LF	SOLID/SLUDGE	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B040	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B041	FUEL-S	LIQ./SOLID	HEX. SOL./COMBUST	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B042	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B043	FUEL-S	SOLID	HEX. SOL./COMBUST	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B044	FUEL-S	SOLID	HEX. SOL./COMBUST	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B045	FUEL-S	SOLID	PCB COMPOSITE #5	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B046	FUEL-S	SOLID	PCB COMPOSITE #3	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B047	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B048	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B049	B/N LIQ	LIQUID	PCB COMPOSITE #2	DYNECOL	DYNECOL	DYNECOL 4/24/92
B050	FUEL-S	SOLID	PCB COMPOSITE #4	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B051	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B052	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B053	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B054	FUEL-S	SOLID	PCB COMPOSITE #3	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B055	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B056	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B057	B/N LIQ	LIQUID	WATER SOLUBLE	DYNECOL	DYNECOL	DYNECOL 4/24/92

DRUM # 058	WASTE STREAM FUEL-S	PHASE SOLID	HAZ-CAT RESULTS COMBUSTABLE	PROFILE SUBMITTED ECOLOTEC CLARK (3/10/92) NEC	APPROVAL CLARK 3/13/92	TRANSPORT CLARK 3/17/92
059	FUEL-L	LIQUID	SLIGHTLY WATER SOL.	CLARK	CLARK	CLARK 3/18/92
060	FUEL-S	SOLID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B061	B/N LIQ	SOL W/ LIQ	BASE COMPOSITE 001	DYNECOL	DYNECOL	DYNECOL 4/24/92
B062	PCB	SLUDGE	COMBUSTABLE	APTUS 3/23/92	APTUS 3/31/92	CHEM-TRON 4/01/92
063	FUEL-S	LIQUID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
064	FUEL-S	SOLID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
065	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B066	FUEL-S	SOLID	SLIGHTLY WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B067	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
068	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
069	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
070	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B071	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B072	FUEL-S	SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
073	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
074	FUEL-S	SLUDGE	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
075	B/N LIQ	SOLID	SLIGHT WATER SOL.	DYNECOL	DYNECOL	DYNECOL 4/24/92
B076	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92

DRUM # 3077	WASTE STREAM B/N LIQ	PHASE SOLID	HAZ-CAT RESULTS SLIGHT WATER SOL.	PROFILE SUBMITTED DYNECOL	APPROVAL DYNECOL	TRANSPORT DYNECOL 4/24/92
3078	FUEL-S	SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3079	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B080	FUEL-S	SOLID	PART. WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B081	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3082	PAINT-LF	SOLID/LIQUID	PCB COMPOSITE #3	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
083	PAINT-LF	SOLID	HEXANE SOLUBLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3084	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B085	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B086	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
087	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
088	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
089	-----	MT		---	---	---
B090	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B091	FUEL-S	SOLID	PART. WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3092	PAINT-LF	SOLID	PART. WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3093	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3094	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B095	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
8096	PAINT-LF	SOLID	SLIGHT WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3097	FUEL-S	SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3098	PAINT-LF	SOLID/LIQUID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B099	FUEL-L	SOLID	COMBUSTABLE	CLARK	CLARK	CLARK 3/18/92
B100	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
J101	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1102	PAINT-LF	SOLID		NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
1103	FUEL-L	LIQUID	COMBUST./HEX. SOL.	CLARK	CLARK	CLARK 3/18/92
B104	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B105	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1106	FUEL-S	SOLID	PART. HEXANE SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1107	PAINT-LF	SOLID	SLIGHT WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
108	-----	MT	NOT SAMPLED	---	---	---
B109	FUEL-S	SOLID	FLAMM./HEXANE SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B110	FUEL-S	SOLID/LIQUID	PCB COMPOSITE #1	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1111	FUEL-S	SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
112	FUEL-S	LIQUID/SOLID	SLIGHT WATER SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
113	FUEL-S	SOLID	HEXANE SOL./COMBUST	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B114	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B115	FUEL-S	LIQUID/SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B116	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B117	FUEL-S	LIQUID/SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B118	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B119	FUEL-L	LIQUID	FLAMMABLE/HEX. SOL.	CLARK	CLARK	CLARK 3/18/92
B120	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B121	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B122	PAINT-LF	SOLID	SLIGHT WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B123	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B124	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B125	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B126	FUEL-S	SOLID	OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B127	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B128	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B129	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B130	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B131	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B132	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B133	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
3134	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
3135	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
3136	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B137	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B138	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
139	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
140	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
141	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B142	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B143	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
144	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
145	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
146	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B147	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B148	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
149	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
150	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
151	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B152	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
1153	L-PACK	SOLID	MILD OXIDIZER	APTUS 4/01/92	APTUS	APTUS 5/7/92
1154	L-PACK	SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
1155	L-PACK	SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B156	L-PACK	SOLID	PCB COMPOSITE #4	APTUS 4/01/92	APTUS	APTUS 5/7/92
B156A	L-PACK	SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
157	---	EMPTY	DID NOT SAMPLE	---	---	---
158	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
159	FUEL-S	SOLID/LIQUID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B160	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B161	FUEL-S	SOLID	PCB COMPOSITE #5		CLARK 3/13/92	CLARK 3/17/92
162	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
163	B/N LIQ	LIQUID	WATER SOLUBLE	DYNECOL	DYNECOL	DYNECOL 4/24/92
164	---	EMPTY	DID NOT SAMPLE	---	---	---
B165	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B166	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
167	FUEL-S	SOLID	PCB COMPOSITE #3	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
168	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
169	FUEL-L	LIQUID	PCB COMPOSITE #2	CLARK	CLARK	CLARK 3/18/92
B170	B/N LIQ	LIQUID	WATER SOLUBLE	DYNECOL	DYNECOL	DYNECOL 4/24/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
3171	PAINT-LF	SOLID	ALL NEGATIVE	NEC - 2/12/92	ENVIROSAFE	ENVIROSAFE
				STOUT ENVIR. - 2/20/92	2/25/92	2/28/92
				ENVIROSAFE - 2/20/92		
3172	PEST	SOLID	COMPOSITE COLLECTED	ENSCO	ENSCO - 3/12/92	ENSCO - 3/17/92
3173	---	EMPTY	DID NOT SAMPLE	---	---	---
B174	PEST	SOLID	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B175	ACID-LIQ	LIQUID	PCB COMPOSITE #1 ACID COMPOSITE 001	DYNECOL	DYNECOL	DYNECOL 4/24/92
1176	---	EMPTY	DID NOT SAMPLE	---	---	---
1177	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
1178	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B179	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B180	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
181	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
182	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
183	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B184	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B185	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
186	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
187	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
188	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92
B189	PEST	SOLID/SOIL	COMPOSITE COLLECTED	ENSCO-2/28/92	ENSCO - 3/12/92	ENSCO - 3/17/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B190	UST	SLUDGE	COMPOSITED W/ B193	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B191	FUEL-S	SOLID	PCB COMPOSITE #5	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B192	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B193	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B194	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B195	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B196	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B197	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B198	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B199	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B200	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B201	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B202	UST	SLUDGE	B193-B202 COMPOSITED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B203	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B204	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B205	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B206	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B207	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B208	L-PACK	SOLID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS TO BE COMPOSITED	PROFILE SUBMITTED APTUS 4/01/92	APPROVAL APTUS	TRANSPORT APTUS 5/7/92
B209	L-PACK	SOLID				
3210	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
3211	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B212	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B213	FUEL-S	SOLID	WATER SOLUBLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3214	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
1215	---	EMPTY	DID NOT SAMPLE	---	---	---
1216	FUEL-S	SOLID	WATER SOLUBLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B217	PAINT-LF	SOLID	WATER SOLUBLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B218	L-PACK	SOLID/LIQUID	BASE COMPOSITE 001	APTUS 4/01/92	APTUS	APTUS 5/7/92
219	FUEL-S	SOLID	HEXANE SOL./COMBUST.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
220	ACID-LIQ	LIQUID	PCB COMPOSITE #2 ACID COMPOSITE 001	DYNECOL	DYNECOL	DYNECOL 4/24/92
221	FUEL-S	SOLID/LIQUID	PCB COMPOSITE #4	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B222	PAINT-LF	SOLID	PCB COMPOSITE #5	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B223	PAINT-LF	SOLID	WEAK OXIDIZER	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
224	ACID-LIQ	LIQUID	PCB COMPOSITE #1 ACID COMPOSITE 001	---	---	---
225	FUEL-S	SOLID	SLIGHTLY HEXANE SOL.	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
226	PAINT-LF	SOLID	SLIGHTLY WATER SOL.	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B227	PAINT-LF	SOLID	WATER SOLUBLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B228	FUEL-S	SOLID/LIQUID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B229	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B230	FUEL-S	LIQUID	WATER SOLUBLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
B231	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B232	FUEL-L	LIQUID	COMBUSTABLE	CLARK	CLARK	CLARK 3/18/92
B233	L-PACK	SOLID	N/A	APTUS 4/01/92	APTUS	APTUS 5/7/92
B234	(???)	LIQUID/SOLID		---	---	---
B235	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B236	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B237	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B238	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B239	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B240	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B241	L-PACK	LIQUID/SOLID	TO BE COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B242	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B243	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B244	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B245	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B246	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92

DRUM # 247	WASTE STREAM PPE	PHASE SOLID	HAZ-CAT RESULTS B242-B254 COMPOSITED	PROFILE SUBMITTED ENVIROSAFE (3/09/92)	APPROVAL ENVIROSAFE 3/12/92	TRANSPORT ENVIROSAFE 3/25/92
248	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
249	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B250	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B251	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
252	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
253	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
254	PPE	SOLID	B242-B254 COMPOSITED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B255	L-PACK	SOLID/LIQUID	COMPOSITED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B256	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
257	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
258	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
259	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B260	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B261	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
262	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
263	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
264	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B265	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
266	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
267	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
268	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B269	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B270	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
271	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
272	FUEL-S	SOLID	PCB COMPOSITE #6	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
273	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B274	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B275	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
276	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
277	UST	SOLID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
278	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B279	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B280	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
281	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
282	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
283	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B284	FUEL-S	SOLID	FLAMMABLE/PEROXIDES	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
1285	FUEL-L	LIQUID/SOLID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
1286	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/18/92
1287	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B288	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B289	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
290	FUEL-L	LIQUID	ALL NEGATIVE	CLARK	CLARK	CLARK 3/18/92
291	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
292	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B293	FUEL-S	SOLID	PCB COMPOSITE #6	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B294	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
295	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
296	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
297	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B298	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B299	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
300	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
301	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
301A	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B302	FUEL-S	SOLID/LIQUID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
3303	-----	MT		---	---	---
3304	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3304A	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B305	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B306	FUEL-S	SOLID	COMBUST/OXIDIZE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3307	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3308	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3309	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B310	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B311	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3312	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3313	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3314	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B315	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B316	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3317	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
3318	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
3319	PAINT-LF	SOLID	OXIDIZER	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B320	FUEL-S	SOLID	OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
3321	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
3322	FUEL-S	SOLID	OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3323	FUEL-S	LIQUID/SOLID	WATER SOL./COMBUST	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B324	---	EMPTY	N/A	---	---	---
B325	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3326	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3327	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3328	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B329	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B330	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3331	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3332	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3333	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B334	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B335	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3336	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3337	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
3338	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92
B339	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 2/28/92

[illegible]

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
1359	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
1360	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
1361	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B362	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B363	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
364	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
365	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
366	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B367	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B368	FUEL-S	SOLID	OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
369	FUEL-S	SOLID	PCB COMPOSITE #6	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
370	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
371	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B372	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B373	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
374	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
375	UST	SOLID/LIQUID	WATER SOLUBLE	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
376	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B377	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
1378	PAINT-LF	SOLID	WATER SOLUBLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
1379	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
1380	PAINT-LF	SOLID	WATER SOLUBLE	NEC NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B381	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B382	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
383	FUEL-L	SOLID	FLAMMABLE	NEC CLARK	CLARK	CLARK 3/18/92
384	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
385	FUEL-S	SOLID	PCB COMPOSITE #6	ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B386	FUEL-S	SOLID	PCB COMPOSITE #6	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B387	---	EMPTY		NEC ---	---	---
388	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
389	FUEL-S	LIQUID/SOLID	WATER SOL/COMBUST	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
390	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B391	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B392	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
393	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
394	FUEL-S	SOLID	FLAMMABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
395	FUEL-S	SOLID	COMBUSTABLE	NEC ECOLOTEC CLARK (3/10/92)	CLARK 3/13/92	CLARK 3/17/92
B396	FUEL-L	SOLID	FLAMMABLE	NEC CLARK	CLARK	CLARK 3/18/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B397	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3398	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
3399	FUEL-S	LIQUID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B400	FUEL-S	SOLID	OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B401	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1402	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1403	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
1404	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B405	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B406	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
407	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
408	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
409	FUEL-L	LIQUID/SOLID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B410	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B411	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
412	FUEL-S	SOLID	FLAMMABLE/OXIDIZER	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
413	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
414	FUEL-L	SOLID/LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B415	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92

B416	FUEL-S	SOLID	HAZ-CAT RESULTS COMBUSTABLE	PROFILE SUBMITTED ECOLOTEC CLARK (3/10/92) NEC CLARK	APPROVAL CLARK 3/13/92	TRANSPORT CLARK 3/17/92
B417	FUEL-L	SOLID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B418	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B419	FUEL-S	SOLID/LIQUID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B420	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B421	FUEL-L	LIQUID	FLAMMABLE	CLARK	CLARK	CLARK 3/18/92
B422	FUEL-S	SOLID/LIQUID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B423	PAINT-LF	SOLID	COMBUSTABLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B424	FUEL-S	SOLID	FLAMMABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B425	PAINT-LF	SOLID	WATER SOLUBLE	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B426	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B427	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B428	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B429	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B430	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B431	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B432	PPE	SOLID	COMPOSITE COLLECTED	ENVIROSAFE (3/09/92)	ENVIROSAFE 3/12/92	ENVIROSAFE 3/25/92
B433	UST	LIQUID	COMPOSITE COLLECTED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92
B434	UST	LIQUID	COMPOSITE COLLECTED	DYNECOL - 2/12/92	DYNECOL	DYNECOL 4/24/92

DRUM #	WASTE STREAM	PHASE	HAZ-CAT RESULTS	PROFILE SUBMITTED	APPROVAL	TRANSPORT
B435	L-PACK	SOLID	COMPOSITE COLLECTED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B436	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B437	PAINT-LF	SOLID	COMPOSITE COLLECTED	NEC - 2/12/92 STOUT ENVIR. - 2/20/92 ENVIROSAFE - 2/20/92	ENVIROSAFE 2/25/92	ENVIROSAFE 3/25/92
B438	L-PACK	SOLID	COMPOSITE COLLECTED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B439	L-PACK	SOLID	COMPOSITE COLLECTED	APTUS 4/01/92	APTUS	APTUS 5/7/92
B440	FUEL-L	LIQUID	COMBUSTABLE	CLARK	CLARK	CLARK 3/18/92
B441	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B442	L-PACK	SOLID	ALL NEGATIVE	APTUS 4/01/92	APTUS	APTUS 5/7/92
B443	L-PACK	SOLID	ALL NEGATIVE	APTUS 4/01/92	APTUS	APTUS 5/7/92
B444	FUEL-S	SOLID	COMBUSTABLE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92
B500	FUEL-S	SOLID	ALL NEGATIVE	ECOLOTEC CLARK (3/10/92) NEC	CLARK 3/13/92	CLARK 3/17/92

**ATTACHMENT E**

**ANALYTICAL RESULTS**

**ERT/REAC SAMPLING**

Table 1.1

## VOLATILE ORGANIC COMPOUNDS ANALYSIS

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK B13704 I13703 G13698 L13699  
 LOCATION : WATER BLANK TRIP BLANK RINSE BL LOC. #1 LOC. #2  
 COLLECTED : 5 ML 2-13-92 2-13-92 2-13-92 2-13-92  
 ANALYZED : 02/20/92 02/20/92 02/20/92 02/20/92 02/20/92  
 FILE # : ^A7755 ^A7757 ^A7758 ^A7759 ^A7760  
 DIL. FACT.: 1 1 1 1 1  
 UNIT : ug/L ug/L ug/L ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
Dichlorodifluoromethane	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Chloromethane	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Vinyl Chloride	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Bromomethane	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Chloroethane	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Trichlorofluoromethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloroethene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methylene Chloride	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
trans-1,2-Dichloroethene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloropropane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
cis-1,2-Dichloroethene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chloroform	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,1-Trichloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Carbon Tetrachloride	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloropropene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Benzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Trichloroethene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloropropane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Dibromomethane	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Bromodichloromethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
trans-1,3-Dichloropropene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
cis-1,3-Dichloropropene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Toluene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,2-Trichloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Tetrachloroethene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,3-Dichloropropane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Dibromochloromethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromoethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chlorobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
p & m-Xylene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0

B Indicates results are present in blank  
 J Indicates below Method Detection limit  
 ND Indicates compound Not Detected.

00017

Table 1.1

## VOLATILE ORGANIC COMPOUNDS ANALYSIS

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK B13704 I13703 G13698 L13699  
 LOCATION : WATER BLANK TRIP BLANK RINSE BL LOC. #1 LOC. #2  
 COLLECTED : 5 ML 2-13-92 2-13-92 2-13-92 2-13-92  
 ANALYZED : 02/20/92 02/20/92 02/20/92 02/20/92 02/20/92  
 FILE : ^A7755 ^A7757 ^A7758 ^A7759 ^A7760  
 DIL. FACT.: 1 1 1 1 1  
 UNIT : ug/L ug/L ug/L ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
n-Xylene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Styrene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Bromoform	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Isopropylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Bromobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2,3-Trichloropropane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
n-Propylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
2-Chlorotoluene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chlorotoluene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
tert-Butylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
sec-Butylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
p-Isopropyltoluene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,3-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,4-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
n-Butylbenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Hexachlorobutadiene	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Naphthalene	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2,3-Trichlorobenzene	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
Acetone	ND	10.0	ND	10.0	24	10.0	ND	10.0	ND	10.0
Carbon Disulfide	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0
2-Butanone	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
4-Methyl-2-Pentanone	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0
2-Hexanone	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	10.0

B Indicates compound is present in blank  
 J Indicates below Method Detection  
 ND Indicates compound Not Detected

**Table 1.1**  
**VOLATILE ORGANIC COMPOUNDS ANALYSIS**

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK H13701  
 LOCATION : WATER BLANK LOC. #3  
 COLLECTED : 5 ML 2-13-92  
 ANALYZED : 02/21/92 02/21/92  
 FILE # : A7772 A7775  
 DIL. FACT.: 1 1  
 UNIT : ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL
Dichlorodifluoromethane	ND	10.0	ND	10.0
Chloromethane	ND	10.0	ND	10.0
Vinyl Chloride	ND	10.0	ND	10.0
Bromomethane	ND	10.0	ND	10.0
Chloroethane	ND	10.0	ND	10.0
Trichlorofluoromethane	ND	5.0	ND	5.0
1,1-Dichloroethene	ND	5.0	ND	5.0
Methylene Chloride	ND	5.0	ND	5.0
trans-1,2-Dichloroethene	ND	5.0	ND	5.0
1,1-Dichloroethane	ND	5.0	ND	5.0
2,2-Dichloropropane	ND	5.0	ND	5.0
cis-1,2-Dichloroethene	ND	5.0	ND	5.0
Chloroform	ND	5.0	ND	5.0
1,1,1-Trichloroethane	ND	5.0	ND	5.0
Carbon Tetrachloride	ND	5.0	ND	5.0
1,1-Dichloropropene	ND	5.0	ND	5.0
Benzene	ND	5.0	ND	5.0
1,2-Dichloroethane	ND	5.0	ND	5.0
Trichloroethene	ND	5.0	ND	5.0
1,2-Dichloropropane	ND	5.0	ND	5.0
Dibromomethane	ND	10.0	ND	10.0
Bromodichloromethane	ND	5.0	ND	5.0
trans-1,3-Dichloropropene	ND	5.0	ND	5.0
cis-1,3-Dichloropropene	ND	5.0	ND	5.0
Toluene	ND	5.0	ND	5.0
1,1,2-Trichloroethane	ND	5.0	ND	5.0
Tetrachloroethene	ND	5.0	ND	5.0
1,3-Dichloropropane	ND	5.0	ND	5.0
Dibromochloromethane	ND	5.0	ND	5.0
1,2-Dibromoethane	ND	5.0	ND	5.0
Chlorobenzene	ND	5.0	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0	ND	5.0
Ethylbenzene	ND	5.0	ND	5.0
p & m-Xylene	ND	5.0	ND	5.0

B Indicates results are present in blank  
 J Indicates below Method Detection limit  
 ND Indicates compound Not Detected.

00019

**Table 1.1**  
**VOLATILE ORGANIC COMPOUNDS ANALYSIS**

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK H13701  
 LOCATION : WATER BLANK LOC. #3  
 COLLECTED : 5 ML 2-13-92  
 ANALYZED : 02/21/92 02/21/92 ..  
  
 FILE : ^A7772 ^A7775 ..  
  
 DIL. FACT.: 1 1  
 UNIT : ug/L ug/L ..

COMPOUND	CONC.	MDL	CONC.	MDL
o-Xylene	ND	5.0	ND	5.0
Styrene	ND	5.0	ND	5.0
Bromoform	ND	5.0	ND	5.0
Isopropylbenzene	ND	5.0	ND	5.0
Bromobenzene	ND	5.0	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0	ND	5.0
1,2,3-Trichloropropane	ND	5.0	ND	5.0
n-Propylbenzene	ND	5.0	ND	5.0
2-Chlorotoluene	ND	5.0	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0	ND	5.0
m-Chlorotoluene	ND	5.0	ND	5.0
tert-Butylbenzene	ND	5.0	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0	ND	5.0
sec-Butylbenzene	ND	5.0	ND	5.0
p-Isopropyltoluene	ND	5.0	ND	5.0
1,3-Dichlorobenzene	ND	5.0	ND	5.0
1,4-Dichlorobenzene	ND	5.0	ND	5.0
1,2-Dichlorobenzene	ND	5.0	ND	5.0
n-Butylbenzene	ND	5.0	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0	ND	5.0
Hexachlorobutadiene	ND	10.0	ND	10.0
Naphthalene	ND	5.0	ND	5.0
1,2,3-Trichlorobenzene	ND	10.0	ND	10.0
Acetone	ND	10.0	ND	10.0
Carbon Disulfide	ND	5.0	ND	5.0
2-Butanone	ND	10.0	ND	10.0
4-Methyl-2-Pentanone	ND	10.0	ND	10.0
2-Hexanone	ND	10.0	ND	10.0

B Indicates compound is present in blank  
 J Indicates below Method Detection  
 ND Indicates compound Not Detected

Table 1.1  
VOLATILE ORGANIC COMPOUNDS ANALYSIS

PROJECT # :	BOHATY DRUM, 4603		
SAMPLE # :	LAB BLANK	K13700	I13702
LOCATION :	WATER BLANK	LOC. #5	LOC. #4
COLLECTED :	5 ML	2-13-92	2-13-92
ANALYZED :	02/20/92	02/20/92	02/20/92
FILE # :	A7755	A7761	A7763
DIL. FACT.:	1	1	1
UNIT :	ug/L	ug/L	ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
Dichlorodifluoromethane	ND	10.0	ND	10.0	ND	10.0
Chloromethane	ND	10.0	ND	10.0	ND	10.0
Vinyl Chloride	ND	10.0	ND	10.0	ND	10.0
Bromomethane	ND	10.0	ND	10.0	ND	10.0
Chloroethane	ND	10.0	ND	10.0	ND	10.0
Trichlorofluoromethane	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloroethene	ND	5.0	ND	5.0	ND	5.0
Methylene Chloride	ND	5.0	ND	5.0	ND	5.0
trans-1,2-Dichloroethene	ND	5.0	ND	5.0	ND	5.0
1-Dichloroethane	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloropropane	ND	5.0	ND	5.0	ND	5.0
cis-1,2-Dichloroethene	ND	5.0	ND	5.0	ND	5.0
Chloroform	ND	5.0	ND	5.0	ND	5.0
1,1,1-Trichloroethane	ND	5.0	ND	5.0	ND	5.0
Carbon Tetrachloride	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloropropene	ND	5.0	ND	5.0	ND	5.0
Benzene	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloroethane	ND	5.0	ND	5.0	ND	5.0
Trichloroethene	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloropropane	ND	5.0	ND	5.0	ND	5.0
Dibromomethane	ND	10.0	ND	10.0	ND	10.0
Bromodichloromethane	ND	5.0	ND	5.0	ND	5.0
trans-1,3-Dichloropropene	ND	5.0	ND	5.0	ND	5.0
cis-1,3-Dichloropropene	ND	5.0	ND	5.0	ND	5.0
Toluene	ND	5.0	ND	5.0	ND	5.0
1,1,2-Trichloroethane	ND	5.0	ND	5.0	ND	5.0
Tetrachloroethene	ND	5.0	ND	5.0	ND	5.0
1,3-Dichloropropane	ND	5.0	ND	5.0	ND	5.0
Dibromochloromethane	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromoethane	ND	5.0	ND	5.0	ND	5.0
Chlorobenzene	ND	5.0	ND	5.0	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	ND	5.0	ND	5.0	ND	5.0
p & m-Xylene	ND	5.0	ND	5.0	ND	5.0

B Indicates results are present in blank  
J Indicates below Method Detection limit  
ND Indicates compound Not Detected.

00021

Table 1.1

## VOLATILE ORGANIC COMPOUND ANALYSIS

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK K13700 I13702  
 LOCATION : WATER BLANK LOC. #5 LOC. #4  
 COLLECTED : 5 ML 2-13-92 2-13-92  
 ANALYZED : 02/20/92 02/20/92 02/20/92  
 FILE : ^A7755 ^A7761 ^A7763  
 DIL. FACT.: 1 1 1  
 UNIT : ug/L ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
o-Xylene	ND	5.0	ND	5.0	ND	5.0
Styrene	ND	5.0	ND	5.0	ND	5.0
Bromoform	ND	5.0	ND	5.0	ND	5.0
Isopropylbenzene	ND	5.0	ND	5.0	ND	5.0
Bromobenzene	ND	5.0	ND	5.0	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0	ND	5.0	ND	5.0
1,2,3-Trichloropropane	ND	5.0	ND	5.0	ND	5.0
n-Propylbenzene	ND	5.0	ND	5.0	ND	5.0
2-Chlorotoluene	ND	5.0	ND	5.0	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0	ND	5.0	ND	5.0
4-Chlorotoluene	ND	5.0	ND	5.0	ND	5.0
tert-Butylbenzene	ND	5.0	ND	5.0	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0	ND	5.0	ND	5.0
sec-Butylbenzene	ND	5.0	ND	5.0	ND	5.0
p-Isopropyltoluene	ND	5.0	ND	5.0	ND	5.0
1,3-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0
1,4-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0
1,2-Dichlorobenzene	ND	5.0	ND	5.0	ND	5.0
n-Butylbenzene	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	5.0	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0	ND	5.0	ND	5.0
Hexachlorobutadiene	ND	10.0	ND	10.0	ND	10.0
Naphthalene	ND	5.0	ND	5.0	ND	5.0
1,2,3-Trichlorobenzene	ND	10.0	ND	10.0	ND	10.0
Acetone	ND	10.0	ND	10.0	ND	10.0
Carbon Disulfide	ND	5.0	ND	5.0	ND	5.0
2-Butanone	ND	10.0	ND	10.0	ND	10.0
4-Methyl-2-Pentanone	ND	10.0	ND	10.0	ND	10.0
2-Hexanone	ND	10.0	ND	10.0	ND	10.0

B Indicates compound is present in blank  
 J Indicates below Method Detection  
 ND Indicates compound Not Detected

00022

**Table 1.2**  
**Results of the VOA Analysis of Water Samples Tentatively Identified Compounds**  
**Bohaty Drum, WA # 3-603**

<b>Sample ID</b>	<b>Location</b>	<b>Compound</b>
Method Blank	-	None found
B13704	Trip Blank	None found
I13703	Rinsate Blank	None found
G13698	# 1	None found
L13699	# 2	None found
K13700	# 5	None found
Method Blank	-	None found
H13701	# 3	None found
I13702	# 4	None found

Table 1.3  
VOLATILE ORGANIC COMPOUNDS ANALYSIS

PROJECT # :	BOHATY DRUM, 4603				
SAMPLE # :	LAB BLANK	K13698	G13699	I13700	I13701
LOCATION :	SOIL BLANK	LOC. #1	LOC. #2	LOC. #5	LOC. #3
COLLECTED :	5 GM	2-13-92	2-13-92	2-13-92	2-13-92
ANALYZED :	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92
FILE # :	^A7756	^A7764	^A7765	^A7766	^A7767
DIL. FACT.:	1	1	1	1	1
% SOLID :	100	77	61	26	87
UNIT :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
Dichlorodifluoromethane	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Chloromethane	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Vinyl Chloride	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Bromomethane	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Chloroethane	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Trichlorofluoromethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1-Dichloroethene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Methylene Chloride	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
trans-1,2-Dichloroethene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1-Dichloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
2,2-Dichloropropane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
cis-1,2-Dichloroethene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Chloroform	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1,1-Trichloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Carbon Tetrachloride	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1-Dichloropropene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Benzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2-Dichloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Trichloroethene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2-Dichloropropane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Dibromomethane	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Bromodichloromethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
trans-1,3-Dichloropropene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
cis-1,3-Dichloropropene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Toluene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1,2-Trichloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Tetrachloroethene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,3-Dichloropropane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Dibromochloromethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2-Dibromoethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Chlorobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1,1,2-Tetrachloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Ethylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
p & m-Xylene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7

B Indicates results are present in blank  
J Indicates below Method Detection limit  
ND Indicates compound Not Detected.

**Table 1.3**  
**VOLATILE ORGANIC COMPOUNDS ANALYSIS**

PROJECT # :	BOHATY DRUM, 4603				
SAMPLE # :	LAB BLANK	K13698	G13699	113700	113701
LOCATION :	SOIL BLANK	LOC. #1	LOC. #2	LOC. #5	LOC. #5
COLLECTED :	5 GM	2-13-92	2-13-92	2-13-92	2-13-92
ANALYZED :	02/20/92	02/20/92	02/20/92	02/20/92	02/20/92
FILE :	A7756	A7764	A7765	A7766	A7767
DIL. FACT.:	1	1	1	1	1
% SOLID :	100	77	61	26	87
UNIT :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
o-Xylene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Styrene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Bromoform	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Isopropylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Bromobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,1,2,2-Tetrachloroethane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2,3-Trichloropropane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
n-Propylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
2-Chlorotoluene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,3,5-Trimethylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
4-Chlorotoluene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
tert-Butylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2,4-Trimethylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
c-Butylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
p-Isopropyltoluene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,3-Dichlorobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,4-Dichlorobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2-Dichlorobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
n-Butylbenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2,4-Trichlorobenzene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
Hexachlorobutadiene	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Naphthalene	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
1,2,3-Trichlorobenzene	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
Acetone	ND	10.0	732	13.0	46	16.4	202	38.5	ND	11.5
Carbon Disulfide	ND	5.0	ND	6.5	ND	8.2	ND	19.2	ND	5.7
2-Butanone	ND	10.0	ND	13.0	ND	16.4	55	38.5	ND	11.5
4-Methyl-2-Pentanone	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5
2-Hexanone	ND	10.0	ND	13.0	ND	16.4	ND	38.5	ND	11.5

B Indicates compound is present in blank  
J Indicates below Method Detection  
ND Indicates compound Not Detected

**Table 1.3**  
**VOLATILE ORGANIC COMPOUNDS ANALYSIS**

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK H13702  
 LOCATION : SOIL BLANK LOC. #4  
 COLLECTED : 5 GM 2-13-92  
 ANALYZED : 02/21/92 02/21/92  
 FILE # : ^A7773 ^A7774  
 DIL. FACT.: 1 1  
 % SOLID : 100 79  
 UNIT : ug/Kg ug/Kg

COMPOUND	CONC.	MOL	CONC.	MOL
Dichlorodifluoromethane	ND	10.0	ND	12.7
Chloromethane	ND	10.0	ND	12.7
Vinyl Chloride	ND	10.0	ND	12.7
Bromomethane	ND	10.0	ND	12.7
Chloroethane	ND	10.0	ND	12.7
Trichlorofluoromethane	ND	5.0	ND	6.3
1,1-Dichloroethene	ND	5.0	ND	6.3
Methylene Chloride	ND	5.0	ND	6.3
trans-1,2-Dichloroethene	ND	5.0	ND	6.3
1,1-Dichloroethane	ND	5.0	ND	6.3
1,2-Dichloropropane	ND	5.0	ND	6.3
cis-1,2-Dichloroethene	ND	5.0	ND	6.3
Chloroform	ND	5.0	ND	6.3
1,1,1-Trichloroethane	ND	5.0	ND	6.3
Carbon Tetrachloride	ND	5.0	ND	6.3
1,1-Dichloropropene	ND	5.0	ND	6.3
Benzene	ND	5.0	ND	6.3
1,2-Dichloroethane	ND	5.0	ND	6.3
Trichloroethene	ND	5.0	ND	6.3
1,2-Dichloropropane	ND	5.0	ND	6.3
Dibromomethane	ND	10.0	ND	12.7
Bromodichloromethane	ND	5.0	ND	6.3
trans-1,3-Dichloropropene	ND	5.0	ND	6.3
cis-1,3-Dichloropropene	ND	5.0	ND	6.3
Toluene	ND	5.0	ND	6.3
1,1,2-Trichloroethane	ND	5.0	ND	6.3
Tetrachloroethene	ND	5.0	ND	6.3
1,3-Dichloropropane	ND	5.0	ND	6.3
Dibromochloromethane	ND	5.0	ND	6.3
1,2-Dibromoethane	ND	5.0	ND	6.3
Chlorobenzene	ND	5.0	ND	6.3
1,1,1,2-Tetrachloroethane	ND	5.0	ND	6.3
Ethylbenzene	ND	5.0	ND	6.3
p & m-Xylene	ND	5.0	ND	6.3

B Indicates results are present in blank  
 J Indicates below Method Detection Limit  
 ND Indicates compound Not Detected.

00026

Table 1.3

## VOLATILE ORGANIC COMPOUNDS ANALYSIS

PROJECT # : BOHATY DRUM, 4603  
 SAMPLE # : LAB BLANK H13702  
 LOCATION : SOIL BLANK LOC. #4  
 COLLECTED : 5 GM 2-13-92  
 ANALYZED : 02/21/92 02/21/92  
 FILE : A7773 A7774  
 DIL. FACT.: 1 1  
 % SOLID : 100 79  
 UNIT : ug/Kg ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL
o-Xylene	ND	5.0	ND	6.3
Styrene	ND	5.0	ND	6.3
Bromoform	ND	5.0	ND	6.3
Isopropylbenzene	ND	5.0	ND	6.3
Bromobenzene	ND	5.0	ND	6.3
1,1,2,2-Tetrachloroethane	ND	5.0	ND	6.3
1,2,3-Trichloropropane	ND	5.0	ND	6.3
n-Propylbenzene	ND	5.0	ND	6.3
2-Chlorotoluene	ND	5.0	ND	6.3
1,3,5-Trimethylbenzene	ND	5.0	ND	6.3
4-Chlorotoluene	ND	5.0	ND	6.3
tert-Butylbenzene	ND	5.0	ND	6.3
1,2,4-Trimethylbenzene	ND	5.0	ND	6.3
sec-Butylbenzene	ND	5.0	ND	6.3
p-Isopropyltoluene	ND	5.0	ND	6.3
1,3-Dichlorobenzene	ND	5.0	ND	6.3
1,4-Dichlorobenzene	ND	5.0	ND	6.3
1,2-Dichlorobenzene	ND	5.0	ND	6.3
n-Butylbenzene	ND	5.0	ND	6.3
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	6.3
1,2,4-Trichlorobenzene	ND	5.0	ND	6.3
Hexachlorobutadiene	ND	10.0	ND	12.7
Naphthalene	ND	5.0	ND	6.3
1,2,3-Trichlorobenzene	ND	10.0	ND	12.7
Acetone	ND	10.0	ND	12.7
Carbon Disulfide	ND	5.0	ND	6.3
2-Butanone	ND	10.0	ND	12.7
4-Methyl-2-Pentanone	ND	10.0	ND	12.7
2-Hexanone	ND	10.0	ND	12.7

B Indicates compound is present in blank  
 J Indicates below Method Detection  
 ND Indicates compound Not Detected

00027

**Table 1.4**  
**Results of the VOA Analysis of Soil Samples Tentatively Identified Compounds**  
**Bohary Drum, WA # 3-603**

Sample ID	Location	Compound
<hr/>		
<b>Methanol/Water</b>		
Blank	-	None found
K13698	# 1	None found
G13699	# 2	None found
I13700	# 5	None found
<b>Methanol/Water</b>		
Blank	-	None found
I13701	# 3	None found
H13702	# 4	None found
<hr/>		

Table 1.5

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

CLIENT : BOHATY DRUM  
 CLIENT ID : BLANK 2/19/92 A13698 A13699 A13700 A13701  
 FILE : ^BD002 ^BD005 ^BD006 ^BD007 ^BD008  
 MATRIX : WATER WATER WATER WATER WATER  
 DIL. FACT.: 1.0 1.0 1.0 1.0 1.0  
 UNITS : ug/L ug/L ug/L ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
Phenol	ND	10	ND	10	ND	10	ND	10	ND	10
bis(-2-Chloroethyl)Ether	ND	10	ND	10	ND	10	ND	10	ND	10
2-Chlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
1,3-Dichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
1,4-Dichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzyl alcohol	ND	10	ND	10	ND	10	ND	10	ND	10
1,2-Dichlorobenzene	1.8 (J)	10	1.4 (J)	10	1.0 (J)	10	1.1 (J)	10	1.0 (J)	10
2-Methylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
bis(2-Chloroisopropyl)ether	ND	10	ND	10	ND	10	ND	10	ND	10
4-Methylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
N-Nitroso-Di-n-propylamine	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachloroethane	ND	10	ND	10	ND	10	ND	10	ND	10
Nitrobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Isophorone	ND	10	ND	10	ND	10	ND	10	ND	10
2-Nitrophenol	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dimethylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
bis(2-Chloroethoxy)methane	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dichlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
1,2,4-Trichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Naphthalene	ND	10	ND	10	ND	10	ND	10	ND	10
4-Chloroaniline	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorobutadiene	ND	10	ND	10	ND	10	ND	10	ND	10
4-Chloro-3-methylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
2-Methylnaphthalene	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorocyclopentadiene	ND	10	ND	10	ND	10	ND	10	ND	10
2,4,6-Trichlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
2,4,5-Trichlorophenol	ND	50	ND	50	ND	50	ND	50	ND	50
2-Chloronaphthalene	ND	10	ND	10	ND	10	ND	10	ND	10
2-Nitroaniline	ND	50	ND	50	ND	50	ND	50	ND	50
Dimethylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Acenaphthylene	ND	10	ND	10	ND	10	ND	10	ND	10
3-Nitroaniline	ND	50	ND	50	ND	50	ND	50	ND	50
Acenaphthene	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dinitrophenol	ND	50	ND	50	ND	50	ND	50	ND	50
4-Nitrophenol	ND	50	ND	50	ND	50	ND	50	ND	50
Dibenzofuran	ND	10	ND	10	ND	10	ND	10	ND	10
2,6-Dinitrotoluene	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dinitrotoluene	ND	10	ND	10	ND	10	ND	10	ND	10
Diethylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected.

Table 1.5

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

CLIENT : BOHATY DRUM  
 CLIENT ID : BLANK 2/19/92 A13698 A13699 A13700 A13701  
 FILE : ^80002 ^80005 ^80006 ^80007 ^80008  
 MATRIX : WATER WATER WATER WATER WATER  
 DIL. FACT.: 1.0 1.0 1.0 1.0 1.0  
 UNITS : ug/L ug/L ug/L ug/L ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
4-Chlorophenyl-phenylether	ND	10	ND	10	ND	10	ND	10	ND	10
Fluorene	ND	10	ND	10	ND	10	ND	10	ND	10
4-Nitroaniline	ND	50	ND	50	ND	50	ND	50	ND	50
4,6-Dinitro-2-methylphenol	ND	50	ND	50	ND	50	ND	50	ND	50
N-Nitrosodiphenylamine	ND	10	ND	10	ND	10	ND	10	ND	10
4-Bromophenyl-phenylether	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Pentachlorophenol	ND	50	ND	50	ND	50	ND	50	ND	50
Phenanthrene	ND	10	4(J)	10	ND	10	ND	10	ND	10
Anthracene	ND	10	ND	10	ND	10	ND	10	ND	10
Carbazole	ND	10	ND	10	ND	10	ND	10	ND	10
Di-n-butylphthalate	7(J)	10	7(J)	10	5(J)	10	3(J)	10	2(J)	10
Fluoranthene	ND	10	19	10	ND	10	ND	10	ND	10
Pyrene	ND	10	11	10	ND	10	ND	10	ND	10
Butylbenzylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
3,3'-Dichlorobenzidine	ND	20	ND	20	ND	20	ND	20	ND	20
Benzo(a)anthracene	ND	10	3(J)	10	ND	10	ND	10	ND	10
Bis(2-Ethylhexyl)phthalate	ND	10	4(J)	10	ND	10	ND	10	ND	10
Chrysene	ND	10	8(J)	10	ND	10	ND	10	ND	10
Di-n-octylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo(b)fluoranthene	ND	10	7(J)	10	ND	10	ND	10	ND	10
Benzo(k)fluoranthene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo(a)pyrene	ND	10	4(J)	10	ND	10	ND	10	ND	10
Indeno(1,2,3-cd)pyrene	ND	10	5(J)	10	ND	10	ND	10	ND	10
Dibenzo(a,h)anthracene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo(g,h,i)perylene	ND	10	4(J)	10	ND	10	ND	10	ND	10

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected

Table 1.5  
RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME :	BOHATY DRUM		
SAMPLE ID :	BLANK 2/19/92	A13702	A13703
FILE :	^80002	^80009	^80010
MATRIX :	WATER	WATER	WATER
DIL. FACT.:	1.0	1.0	1.0
UNITS :	ug/L	ug/L	ug/L

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
Phenol	ND	10	ND	10	ND	10
bis(-2-Chloroethyl)Ether	ND	10	ND	10	ND	10
2-Chlorophenol	ND	10	ND	10	ND	10
1,3-Dichlorobenzene	ND	10	ND	10	ND	10
1,4-Dichlorobenzene	ND	10	ND	10	ND	10
Benzyl alcohol	ND	10	ND	10	ND	10
1,2-Dichlorobenzene	1.8 (J)	10	0.8 (J)	10	1.5 (J)	10
2-Methylphenol	ND	10	ND	10	ND	10
bis(2-Chloroisopropyl)ether	ND	10	ND	10	ND	10
4-Methylphenol	ND	10	ND	10	ND	10
N-Nitroso-Di-n-propylamine	ND	10	ND	10	ND	10
Hexachloroethane	ND	10	ND	10	ND	10
Nitrobenzene	ND	10	ND	10	ND	10
Isophorone	ND	10	ND	10	ND	10
2-Nitrophenol	ND	10	ND	10	ND	10
2,4-Dimethylphenol	ND	10	ND	10	ND	10
bis(2-Chloroethoxy)methane	ND	10	ND	10	ND	10
2,4-Dichlorophenol	ND	10	ND	10	ND	10
1,2,4-Trichlorobenzene	ND	10	ND	10	ND	10
Naphthalene	ND	10	ND	10	ND	10
4-Chloroaniline	ND	10	ND	10	ND	10
Hexachlorobutadiene	ND	10	ND	10	ND	10
4-Chloro-3-methylphenol	ND	10	ND	10	ND	10
2-Methylnaphthalene	ND	10	ND	10	ND	10
Hexachlorocyclopentadiene	ND	10	ND	10	ND	10
2,4,6-Trichlorophenol	ND	10	ND	10	ND	10
2,4,5-Trichlorophenol	ND	50	ND	50	ND	50
2-Chloronaphthalene	ND	10	ND	10	ND	10
2-Nitroaniline	ND	50	ND	50	ND	50
Dimethylphthalate	ND	10	ND	10	ND	10
Acenaphthylene	ND	10	ND	10	ND	10
3-Nitroaniline	ND	50	ND	50	ND	50
Acenaphthene	ND	10	ND	10	ND	10
2,4-Dinitrophenol	ND	50	ND	50	ND	50
4-Nitrophenol	ND	50	ND	50	ND	50
Dibenzofuran	ND	10	ND	10	ND	10
2,6-Dinitrotoluene	ND	10	ND	10	ND	10
2,4-Dinitrotoluene	ND	10	ND	10	ND	10
Diethylphthalate	ND	10	ND	10	ND	10

(J) Indicates compound concentration found below MDL.  
ND Indicates compound Not Detected.

Table 1.5

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME : BOHATY DRUM  
 SAMPLE ID : BLANK 2/19/92 A13702 A13703  
 FILE : ^B0002 ^B0009 ^B0010  
 MATRIX : WATER WATER WATER  
 DIL. FACT.: 1.0 1.0 1.0  
 UNITS : ng/ul ng/ul ng/ul

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
4-Chlorophenyl-phenylether	ND	10	ND	10	ND	10
Fluorene	ND	10	ND	10	ND	10
4-Nitroaniline	ND	50	ND	50	ND	50
4,6-Dinitro-2-methylphenol	ND	50	ND	50	ND	50
N-Nitrosodiphenylamine	ND	10	ND	10	ND	10
4-Bromophenyl-phenylether	ND	10	ND	10	ND	10
Hexachlorobenzene	ND	10	ND	10	ND	10
Pentachlorophenol	ND	50	ND	50	ND	50
Phenanthrene	ND	10	ND	10	ND	10
Anthracene	ND	10	ND	10	ND	10
Carbazole	ND	10	ND	10	ND	10
Di-n-butylphthalate	7(J)	10	2(J)	10	2(J)	10
Fluoranthene	ND	10	ND	10	ND	10
Pyrene	ND	10	ND	10	ND	10
Butylbenzylphthalate	ND	10	ND	10	ND	10
3,3'-Dichlorobenzidine	ND	20	ND	20	ND	20
Benzo(a)anthracene	ND	10	ND	10	ND	10
Bis(2-Ethylhexyl)phthalate	ND	10	ND	10	ND	10
Chrysene	ND	10	ND	10	ND	10
Di-n-octylphthalate	ND	10	ND	10	ND	10
Benzo(b)fluoranthene	ND	10	ND	10	ND	10
Benzo(k)fluoranthene	ND	10	ND	10	ND	10
Benzo(a)pyrene	ND	10	ND	10	ND	10
Indeno(1,2,3-cd)pyrene	ND	10	ND	10	ND	10
Dibenzo(a,h)anthracene	ND	10	ND	10	ND	10
Benzo(g,h,i)perylene	ND	10	ND	10	ND	10

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected

**Table 1.6**  
**Results of the BNA Analysis of Water Samples Tentatively Identified Compounds**  
**Bohary Drum, WA # 3-603**

Sample ID	Location	Compound	Concentration* (ug/l)	Retention Time (minutes)
Lab Blank		Unknown	3.0	15.93
A13699	Loc. # 2	Unknown	4.0	27.37
A13700	Loc. # 5	None Found		
A13701	Loc. # 3	None Found		
A13702	Loc. # 4	None Found		
A13703	Rinsate Blank	None Found		

\* estimated concentration assuming a response factor of 1.0

Table 1.6

## GC/MS TENTATIVELY IDENTIFIED COMPOUNDS

PROJECT: BCHATTY DRUM  
 PROJECT #: 3347-31-01-4603

SAMPLE NUMBER A13698

ANALYSIS BNA  
 LAB FILE # 730005  
 UNIT ug/L % solid ---

MATRIX Water  
 CONVERSION FACTOR ---

CAS #	Compound Name	Q	RT	Conc.
1.	Possible Phthalate C <sub>12</sub> H <sub>24</sub> O <sub>3</sub>	32	15.95	4.0
2. 143226	Ethanol, 2-[2-(2-butoxyethoxy)ethyl]-	78	17.86	4.0
3.	Unknown (NDR)	—	27.42	5.0
4.	Phthalate isomer C <sub>22</sub> H <sub>24</sub> O <sub>2</sub>	15	29.60	5.0
5.	Unknown (PDM)	11	29.98	4.0
6.	Unknown (NDR)	—	30.18	4.0
7.	Unknown (NDR)	—	30.71	4.0
8.	Unknown (NDR)	—	31.69	4.0
9.	Unknown (PDM)	15	32.62	5.0
10.	PAH isomer C <sub>20</sub> H <sub>12</sub>	70	34.11	7.0
11.	PAH isomer C <sub>20</sub> H <sub>12</sub>	76	34.89	8.0
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				

• Estimated Concentration (Response Factor = 1.0)

NDR = No database entries retrieved

PDM = Poor Database Match

00034

Table 1.7

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME :	BOHATY DRUM				
SAMPLE ID :	BLANK	J13698	J13699	J13700	J13701
FILE :	^B0017	^B0018	^B0019	^B0020	^B0021
MATRIX :	SOIL	SOIL	SOIL	SOIL	SOIL
DIL. FACT.:	1.0	1.0	1.0	1.0	1.0
% SOLID :	100	77	61	26	87
AMT. USED :	30	30	30	30	31
FINAL VOL :	1	1	1	1	1
UNITS :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
Phenol	ND	330	ND	429	ND	541	ND	1269	ND	379
bis(-2-Chloroethyl)Ether	ND	330	ND	429	ND	541	ND	1269	ND	379
2-Chlorophenol	ND	330	ND	429	ND	541	ND	1269	ND	379
1,3-Dichlorobenzene	ND	330	ND	429	ND	541	ND	1269	ND	379
1,4-Dichlorobenzene	ND	330	ND	429	ND	541	ND	1269	ND	379
Benzyl alcohol	ND	330	ND	429	ND	541	ND	1269	ND	379
1,2-Dichlorobenzene	46(J)	330	ND	429	ND	541	153(J)	1269	134(J)	379
2-Methylphenol	ND	330	ND	429	ND	541	ND	1269	ND	379
bis(2-Chloroisopropyl)ether	ND	330	ND	429	ND	541	ND	1269	ND	379
4-Methylphenol	ND	330	ND	429	ND	541	ND	1269	ND	379
N-Nitroso-Di-n-propylamine	ND	330	ND	429	ND	541	ND	1269	ND	379
Hexachloroethane	ND	330	ND	429	ND	541	ND	1269	ND	379
Nitrobenzene	ND	330	ND	429	ND	541	ND	1269	ND	379
Isophorone	ND	330	ND	429	ND	541	ND	1269	ND	379
2-Nitrophenol	ND	330	ND	429	ND	541	ND	1269	ND	379
2,4-Dimethylphenol	ND	330	ND	429	ND	541	ND	1269	ND	379
bis(2-Chloroethoxy)methane	ND	330	ND	429	ND	541	ND	1269	ND	379
2,4-Dichlorophenol	ND	330	ND	429	ND	541	ND	1269	ND	379
1,2,4-Trichlorobenzene	ND	330	ND	429	ND	541	ND	1269	ND	379
Naphthalene	ND	330	646	429	ND	541	ND	1269	ND	379
4-Chloroaniline	ND	330	ND	429	ND	541	ND	1269	ND	379
Hexachlorobutadiene	ND	330	ND	429	ND	541	ND	1269	ND	379
4-Chloro-3-methylphenol	ND	330	ND	429	ND	541	ND	1269	ND	379
2-Methylnaphthalene	ND	330	789	429	ND	541	ND	1269	ND	379
Hexachlorocyclopentadiene	ND	330	ND	429	ND	541	ND	1269	ND	379
2,4,6-Trichlorophenol	ND	330	ND	429	ND	541	ND	1269	ND	379
2,4,5-Trichlorophenol	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
2-Chloronaphthalene	ND	330	ND	429	ND	541	ND	1269	ND	379
2-Nitroaniline	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
Dimethylphthalate	ND	330	ND	429	ND	541	ND	1269	ND	379
Acenaphthylene	ND	330	638	429	ND	541	ND	1269	ND	379
3-Nitroaniline	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
Acenaphthene	ND	330	412(J)	429	ND	541	ND	1269	ND	379
2,4-Dinitrophenol	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
4-Nitrophenol	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
Dibenzofuran	ND	330	810	429	ND	541	ND	1269	ND	379
2,6-Dinitrotoluene	ND	330	ND	429	ND	541	ND	1269	ND	379
2,4-Dinitrotoluene	ND	330	ND	429	ND	541	ND	1269	ND	379
Diethylphthalate	ND	330	ND	429	ND	541	ND	1269	ND	379

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected.

Table 1.7

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME :	BOHATY DRUM				
SAMPLE ID :	BLANK	J13698	J13699	J13700	J13701
FILE :	^80017	^80018	^80019	^80020	^80021
MATRIX :	SOIL	SOIL	SOIL	SOIL	SOIL
DIL. FACT.:	1.0	1.0	1.0	1.0	1.0
% SOLID :	100	77	61	26	87
AMT. USED :	30	30	30	30	31
FINAL VOL :	1	1	1	1	1
UNITS :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL	CONC.	MDL
4-Chlorophenyl-phenylether	ND	330	ND	429	ND	541	ND	1269	ND	379
Fluorene	ND	330	1138	429	ND	541	ND	1269	ND	379
4-Nitroaniline	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
4,6-Dinitro-2-methylphenol	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
N-Nitrosodiphenylamine	ND	330	ND	429	ND	541	ND	1269	ND	379
4-Bromophenyl-phenylether	ND	330	ND	429	ND	541	ND	1269	ND	379
Hexachlorobenzene	ND	330	ND	429	ND	541	ND	1269	ND	379
Pentachlorophenol	ND	1650	ND	2143	ND	2705	ND	6346	ND	1897
Phenanthrene	ND	330	7180	429	ND	541	ND	1269	42(J)	379
Anthracene	ND	330	1592	429	ND	541	ND	1269	ND	379
Carbazole	ND	330	1063	429	ND	541	ND	1269	ND	379
Di-n-butylphthalate	61(J)	330	305(J)	429	919	541	4087	1269	1318	379
Fluoranthene	ND	330	8640	429	220(J)	541	ND	1269	91(J)	379
Pyrene	ND	330	4503	429	138(J)	541	ND	1269	64(J)	379
Butylbenzylphthalate	ND	330	258(J)	429	ND	541	ND	1269	ND	379
3,3'-Dichlorobenzidine	ND	660	ND	857	ND	1082	ND	2538	ND	759
Benzo(a)anthracene	ND	330	3158	429	ND	541	ND	1269	ND	379
Bis(2-Ethylhexyl)phthalate	ND	330	403(J)	429	ND	541	ND	1269	ND	379
Chrysene	ND	330	2276	429	ND	541	ND	1269	ND	379
Di-n-octylphthalate	ND	330	ND	429	ND	541	ND	1269	ND	379
Benzo(b)fluoranthene	ND	330	1792	429	ND	541	ND	1269	ND	379
Benzo(k)fluoranthene	ND	330	1227	429	ND	541	ND	1269	ND	379
Benzo(a)pyrene	ND	330	1346	429	ND	541	ND	1269	ND	379
Indeno(1,2,3-cd)pyrene	ND	330	843	429	ND	541	ND	1269	ND	379
Dibenzo(a,h)anthracene	ND	330	ND	429	ND	541	ND	1269	ND	379
Benzo(g,h,i)perylene	ND	330	684	429	ND	541	ND	1269	ND	379

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected

Table 1.7

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME :	BOHATY DRUM	
SAMPLE ID :	BLANK	J13702
FILE :	^B0017	^B0024
MATRIX :	SOIL	SOIL
DIL. FACT.:	1.0	1.0
% SOLID :	100	79
AMT. USED :	38	31
FINAL VOL :	1	1
UNITS :	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
Phenol	ND	330	ND	418		
bis(-2-Chloroethyl)Ether	ND	330	ND	418		
2-Chlorophenol	ND	330	ND	418		
1,3-Dichlorobenzene	ND	330	ND	418		
1,4-Dichlorobenzene	ND	330	ND	418		
Benzyl alcohol	ND	330	ND	418		
1,2-Dichlorobenzene	46(J)	330	132(J)	418		
2-Methylphenol	ND	330	ND	418		
bis(2-Chloroisopropyl)ether	ND	330	ND	418		
4-Methylphenol	ND	330	ND	418		
N-Nitroso-Di-n-propylamine	ND	330	ND	418		
Hexachloroethane	ND	330	ND	418		
Nitrobenzene	ND	330	ND	418		
Isophorone	ND	330	ND	418		
2-Nitrophenol	ND	330	ND	418		
2,4-Dimethylphenol	ND	330	ND	418		
bis(2-Chloroethoxy)methane	ND	330	ND	418		
2,4-Dichlorophenol	ND	330	ND	418		
1,2,4-Trichlorobenzene	ND	330	ND	418		
Naphthalene	ND	330	ND	418		
4-Chloroaniline	ND	330	ND	418		
Hexachlorobutadiene	ND	330	ND	418		
4-Chloro-3-methylphenol	ND	330	ND	418		
2-Methylnaphthalene	ND	330	ND	418		
Hexachlorocyclopentadiene	ND	330	ND	418		
2,4,6-Trichlorophenol	ND	330	ND	418		
2,4,5-Trichlorophenol	ND	1650	ND	2089		
2-Chloronaphthalene	ND	330	ND	418		
2-Nitroaniline	ND	1650	ND	2089		
Dimethylphthalate	ND	330	ND	418		
Acenaphthylene	ND	330	ND	418		
3-Nitroaniline	ND	1650	ND	2089		
Acenaphthene	ND	330	ND	418		
2,4-Dinitrophenol	ND	1650	ND	2089		
4-Nitrophenol	ND	1650	ND	2089		
Dibenzofuran	ND	330	ND	418		
2,6-Dinitrotoluene	ND	330	ND	418		
2,4-Dinitrotoluene	ND	330	ND	418		
Diethylphthalate	ND	330	ND	418		

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected.

00037

Table 1.7

## RESULTS OF BASE NEUTRAL/ACID EXTRACTABLES ANALYSIS

SITE NAME :	BOHATY DRUM	
SAMPLE ID :	BLANK	J13702
FILE :	^B0017	^B0024
MATRIX :	SOIL	SOIL
DIL. FACT.:	1.0	1.0
% SOLID :	100	79
AMT. USED :	30	31
FINAL VOL :	1	1
UNITS :	ug/Kg	ug/Kg

COMPOUND	CONC.	MDL	CONC.	MDL	CONC.	MDL
4-Chlorophenyl-phenylether	ND	330	ND	418		
Fluorene	ND	330	ND	418		
4-Nitroaniline	ND	1650	ND	2089		
4,6-Dinitro-2-methylphenol	ND	1650	ND	2089		
N-Nitrosodiphenylamine	ND	330	ND	418		
4-Bromophenyl-phenylether	ND	330	ND	418		
Hexachlorobenzene	ND	330	ND	418		
Pentachlorophenol	ND	1650	ND	2089		
Phenanthrene	ND	330	75(J)	418		
Anthracene	ND	330	ND	418		
Carbazole	ND	330	ND	418		
Di-n-butylphthalate	61(J)	330	1722	418		
Fluoranthene	ND	330	171(J)	418		
Pyrene	ND	330	105(J)	418		
Butylbenzylphthalate	ND	330	ND	418		
3,3'-Dichlorobenzidine	ND	660	ND	835		
Benzo(a)anthracene	ND	330	ND	418		
Bis(2-Ethylhexyl)phthalate	ND	330	ND	418		
Chrysene	ND	330	ND	418		
Di-n-octylphthalate	ND	330	ND	418		
Benzo(b)fluoranthene	ND	330	ND	418		
Benzo(k)fluoranthene	ND	330	ND	418		
Benzo(a)pyrene	ND	330	ND	418		
Indeno(1,2,3-cd)pyrene	ND	330	ND	418		
Dibenzo(a,h)anthracene	ND	330	ND	418		
Benzo(g,h,i)perylene	ND	330	ND	418		

(J) Indicates compound concentration found below MDL.

ND Indicates compound Not Detected

00038

Table 1.9

## Results of the Pesticide/PCB Analysis of Water Samples

BOHATY DRUM, WA # 3-603

COMPOUND	Lab.Blk. (ug/l)	D13698		C13699		D13700		MDL (ug/l)
		MDL (ug/l)	Loc. 1 (ug/l)	MDL (ug/l)	Loc. 2 (ug/l)	MDL (ug/l)	Loc. 5 (ug/l)	
a-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
g-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
b-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
HEPTACHLOR	ND	0.02	ND	0.02	ND	0.02	ND	0.02
d-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ALDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
HEPTACHLOR EPOXIDE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
g-CHLORDANE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
a-CHLORDANE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDOSULFAM (I)	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D E	ND	0.02	ND	0.02	ND	0.02	ND	0.02
DIELDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D D	ND	0.02	0.03	0.02	ND	0.02	ND	0.02
ENDOSULFAM (II)	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D T	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN ALDEHYDE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDOSULFAM SULFATE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
METHOXYCHLOR	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN KETONE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
TOXAPHENE	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1016	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1221	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1232	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1242	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1248	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1254	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1260	ND	0.25	ND	0.25	ND	0.25	ND	0.25

MDL Denotes Method Detection Limit.

Loc. Denotes Location.

ND denotes not detected

Table 1.9

## Results of the Pesticide/PCB Analysis of Water Samples

BOHATY DRUM, WA # 3-603

COMPOUND	Lab.Blk.	D13701		C13702		D13703		MDL
		MDL	Loc. 3	MDL	Loc. 4	MDL	RINS.BLK	
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
a-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
g-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
b-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
HEPTACHLOR	ND	0.02	ND	0.02	ND	0.02	ND	0.02
d-BHC	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ALDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
HEPTACHLOR EPOXIDE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
g-CHLORDANE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
a-CHLORDANE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDOSULFAN (I)	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D E	ND	0.02	ND	0.02	ND	0.02	ND	0.02
DIELDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D D	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDOSULFAN (II)	ND	0.02	ND	0.02	ND	0.02	ND	0.02
p,p'-D D T	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN ALDEHYDE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDOSULFAN SULFATE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
METHOXYCHLOR	ND	0.02	ND	0.02	ND	0.02	ND	0.02
ENDRIN KETONE	ND	0.02	ND	0.02	ND	0.02	ND	0.02
TOXAPHENE	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1016	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1221	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1232	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1242	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1248	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1254	ND	0.25	ND	0.25	ND	0.25	ND	0.25
AROCLOR 1260	ND	0.25	ND	0.25	ND	0.25	ND	0.25

MDL Denotes Method Detection Limit.

Loc. Denotes Location.

ND denotes not detected

Table 1.10

## Results of the Pesticide/PCB Analysis of Soil Samples

BOHATY DRUM, WA # 3-603

COMPOUND	Lab.Blk. (ug/kg)	J13698		J13699		J13700	
		MDL (ug/kg)	Loc. 1 (ug/kg)	MDL (ug/kg)	Loc. 2 (ug/kg)	MDL (ug/kg)	Loc. 5 (ug/kg)
a-BHC	ND	0.67	ND	8.5	ND	11	ND
g-BHC	ND	0.67	ND	8.5	ND	11	ND
b-BHC	ND	0.67	ND	8.5	ND	11	ND
HEPTACHLOR	ND	0.67	ND	8.5	ND	11	ND
d-BHC	ND	0.67	ND	8.5	ND	11	ND
ALDRIN	ND	0.67	ND	8.5	ND	11	ND
HEPTACHLOR EPOXIDE	ND	0.67	ND	8.5	ND	11	ND
g-CHLORDANE	ND	0.67	ND	8.5	ND	11	ND
a-CHLORDANE	ND	0.67	ND	8.5	ND	11	ND
ENDOSULFAM (I)	ND	0.67	ND	8.5	ND	11	ND
p,p'-D D E	ND	0.67	ND	8.5	ND	11	ND
DIELDRIN	ND	0.67	ND	8.5	ND	11	ND
ENDRIN	ND	0.67	ND	8.5	ND	11	ND
p,p'-D D D	ND	0.67	ND	8.5	ND	11	ND
ENDOSULFAM (II)	ND	0.67	ND	8.5	ND	11	ND
p,p'-D D T	ND	0.67	ND	8.5	ND	11	ND
ENDRIN ALDEHYDE	ND	0.67	ND	8.5	ND	11	ND
ENDOSULFAM SULFATE	ND	0.67	ND	8.5	ND	11	ND
METHOXYCHLOR	ND	0.67	ND	8.5	ND	11	ND
ENDRIN KETONE	ND	0.67	ND	8.5	ND	11	ND
TOXAPHENE	ND	8.3	ND	106	ND	136	ND
AROCLOR 1016	ND	8.3	ND	106	ND	136	ND
AROCLOR 1221	ND	8.3	ND	106	ND	136	ND
AROCLOR 1232	ND	8.3	ND	106	ND	136	ND
AROCLOR 1242	ND	8.3	ND	106	ND	136	ND
AROCLOR 1248	ND	8.3	ND	106	ND	136	ND
AROCLOR 1254	ND	8.3	ND	106	ND	136	ND
AROCLOR 1260	ND	8.3	ND	106	ND	136	ND

MDL Denotes Method Detection Limit.

Loc. Denotes Location.

ND denotes not detected

Table 1.11

## Results of the Metals Analysis of Water Samples

BOHATY DRUM, WAF 3-603

Client#	E 13698	E 13699	E 13700	E 13701	E 13702	E 13703	DETECTION
Location:	1	2	5	3	4	Rinsate BLANK	LIMIT
Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Parameter:							
Aluminum	1900	ND	ND	ND	ND	ND	500
Antimony	ND	ND	ND	ND	ND	ND	5
Arsenic	ND	ND	ND	ND	ND	ND	5
Barium	150	69	11	130	110	ND	10
Beryllium	ND	ND	ND	ND	ND	ND	5
Cadmium	20	ND	ND	ND	ND	ND	10
Calcium	130000	67000	66000	120000	110000	71	50
Chromium	22	ND	ND	ND	ND	ND	5
Cobalt	31	ND	ND	ND	ND	ND	25
Copper	38	ND	ND	ND	ND	ND	25
Iron	3500	190	530	490	270	ND	50
Lead	16	ND	ND	ND	ND	ND	5
Magnesium	18000	27000	6500	35000	37000	ND	25
Manganese	190	120	330	700	210	ND	25
Mercury	ND	ND	ND	ND	ND	0.2	0.2
Nickel	ND	ND	ND	ND	ND	ND	25
Potassium	24000	2700	2800	3400	3800	ND	25
Selenium	ND	ND	ND	ND	ND	ND	5
Silver	11	ND	ND	ND	ND	ND	10
Sodium	1600000	86000	2500	190000	270000	170	100
Thallium	23	7	ND	ND	ND	ND	5
Vanadium	ND	ND	ND	ND	ND	ND	10
Zinc	390	18	ND	26	17	ND	10

ND -denotes Not Detected

Table 1.12

## Results of the Metals Analysis of Soil Samples

BOHATY DRUM, WA# 3-603

Client #	J 13698		J 13699		J 13700		J 13701		J 13702	
Location:	1		2		5		3		4	
Unit:	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Parameter:		(DL)		(DL)		(DL)		(DL)		(DL)
Aluminum	7900	(61)	9500	(74)	16000	(163)	8500	(54)	8000	(58)
Antimony	ND	(0.6)	ND	(0.8)	ND	(1.6)	ND	(0.6)	ND	(0.6)
Arsenic	7	(0.6)	13	(0.8)	6	(1.6)	9	(0.6)	8	(0.6)
Barium	62	(1.2)	120	(1.5)	130	(3.3)	44	(1.1)	63	(1.2)
Beryllium	1	(0.6)	ND	(0.8)	ND	(1.6)	ND	(0.6)	ND	(0.6)
Cadmium	2	(1.2)	ND	(1.5)	ND	(3.3)	1.4	(1.1)	2	(1.2)
Calcium	17000	(6.1)	2600	(7.5)	2400	(16.3)	11000	(5.6)	57000	(6.1)
Chromium	15	(3.1)	13	(3.8)	24	(8.2)	10	(2.8)	11	(3.0)
Cobalt	13	(3.1)	11	(3.8)	17	(8.2)	12	(2.8)	15	(3.0)
Copper	18	(3.1)	18	(3.8)	21	(8.2)	17	(2.8)	21	(3.0)
Iron	20000	(6.1)	25000	(7.5)	56000	(16.3)	18000	(5.6)	19000	(6.1)
Lead	30	(0.6)	21	(0.8)	38	(1.6)	16	(0.6)	13	(0.6)
Magnesium	5300	(3.1)	2200	(3.8)	2000	(8.2)	3500	(2.8)	9100	(3.0)
Manganese	440	(3.1)	420	(3.8)	540	(8.2)	490	(2.8)	390	(3.0)
Mercury	ND	(0.05)	ND	(0.06)	ND	(0.12)	ND	(0.04)	ND	(0.05)
Nickel	15	(3.1)	17	(3.8)	28	(8.2)	17	(2.8)	19	(3.0)
Potassium	770	(3.1)	980	(3.8)	1100	(8.2)	650	(2.8)	660	(3.0)
Selenium	ND	(0.6)	ND	(0.8)	2	(1.6)	1	(0.6)	1	(0.6)
Silver	1	(1.2)	ND	(1.5)	1	(3.3)	ND	(1.1)	ND	(1.2)
Sodium	1600	(3.1)	160	(3.8)	64	(8.2)	190	(2.8)	150	(3.0)
Thallium	ND	(0.6)	ND	(0.8)	ND	(1.6)	ND	(0.6)	ND	(0.6)
Vanadium	21	(0.6)	31	(0.8)	36	(1.6)	19	(0.6)	20	(0.6)
Zinc	220	(1.2)	67	(1.5)	110	(3.3)	63	(1.1)	67	(1.2)

ND -denotes Not Detected

(DL) -denotes detection limit, mg/kg

Table 1.13  
Results of the Analysis for Cyanides in Water Samples  
BOHATY DRUM, WA # 3-603

Samples ID Location		Result (mg/l)	Method Detection Limit (mg/l)
F13702	# 4	0.018	0.010
F13701	# 3	0.011	0.010
F13699	# 2	0.092	0.010
F13703	Rinseate Blank	0.010	0.010
F13698	# 1	0.069	0.010
F13700	# 5	ND	0.010

ND denotes not detected

Table 1.14  
Results of the Analysis for Cyanides in Soil Samples  
BOHATY DRUM, WA # 3-603

Samples ID Location		Result (mg/kg)	Method Detection Limit (mg/kg)
M13702	# 4	ND	1.0
M13701	# 3	ND	1.0
M13699	# 2	ND	1.0
M13698	# 1	2.7	1.0
O13700	# 5	ND	10

ND denotes not detected

Table 1.15  
Results of the Analysis for Total Organic Carbon in Water Samples  
BOHATY DRUM, WA # 3-603

Samples ID Location		Result (mg/l)	Method Detection Limit (mg/l)
F13702	# 4	ND	10
F13701	# 3	ND	10
F13699	# 2	ND	10
F13703	Rinsate Blank	ND	10
F13698	# 1	ND	10
F13700	# 5	ND	10

ND denotes not detected

Table 1.16  
Results of the Analysis for Total Organic Carbon in Soil Samples  
BONATY DRUM, WA # 3-603

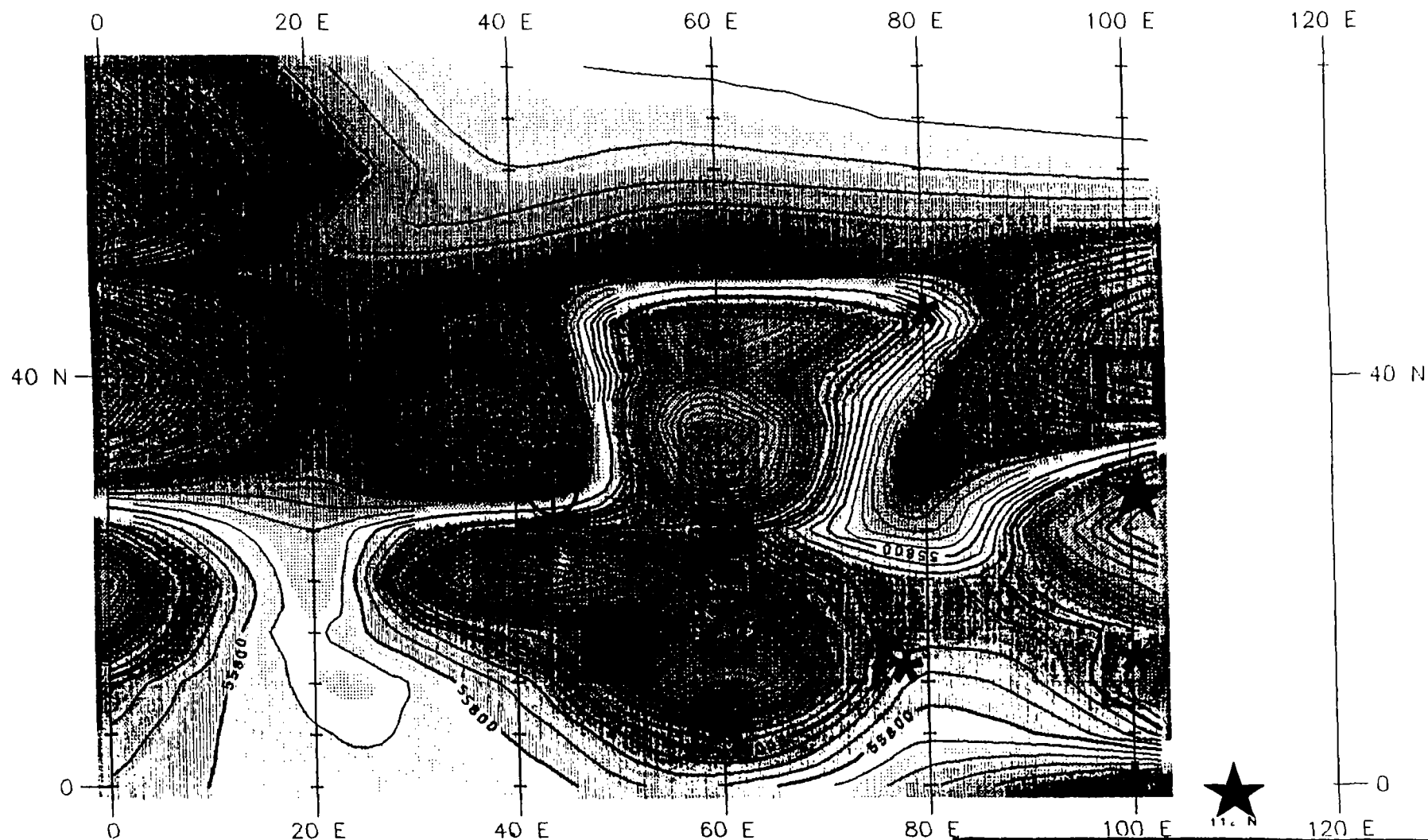
Samples ID Location		Mean Result (mg/kg)	Standard Deviation	Method Detection Limit (mg/kg)
M13702	# 4	4750	140	100
M13701	# 3	5850	500	100
M13699	# 2	7100	250	100
M13698	# 1	5020	50	100
M13700	# 5	10300	200	100

ND denotes not detected

00053

**ATTACHMENT F**

**MAGNETIC ANOMALY FIGURE**



**Key:**

- ⊕ Exposed Drum
- ★ Metal
- Anomaly from Magnetics
- ★ Anomaly from Terrain Conductivity
- ⊞ Anomaly from both Magnetics and Terrain Conductivity

**US EPA ENVIRONMENTAL RESPONSE TEAM**  
 RESPONSE ENGINEERING AND ANALYTICAL CONTRACT  
 68-03-3482

**Total Magnetic Field Contour Map  
 Area 2  
 Bohaty Drum Site  
 Medina Township, Medina County,  
 Ohio  
 WO# 3347-31-01-4603**

**Figure 4**

**March 1992**

**ATTACHMENT G**

**ANALYTICAL RESULTS**

**POST-CLEANUP SAMPLING**

06/03/92 14:34 419 691 1227

B.E.C. LABS, INC.

003

Ecology and Environment, Inc.  
6777 Engle Road  
Cleveland, OH 44130



ATTN: Sandra Bashaum

biological & environmental control laboratories, inc.  
645 front street  
toledo, ohio 43605  
(419) 693-5307

1632 enterprise parkway  
twinsburg, ohio 44087  
(216) 425-8200

## sample

description: EOH0943FAA - grab - Station # SW1 - 4/2/92 @ 0945

## results:

AnalyteMethodResult

PCBs

SW-846, 8080

less than 1 mg/Kg

PCB Surrogate Recovery: DCB

73.3%

06/03/92 14:33

419 691 1227

B.E.C. LABS, INC.

002

Ecology and Environment, Inc.  
6777 Engle Road  
Cleveland, OH 44130



ATTN: Sandra Basbaum

biological &amp; environmental control laboratories, inc.

645 front street  
toledo, ohio 43605  
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1632 enterprise parkway  
twinsburg, ohio 44087  
(216) 425-8200

## sample

description: EOH0943FAA - grab - Station # SW2 - 4/2/92 @ 0950

## results:

AnalyteMethodResult

PCBs

SW-846, 8080

less than 1 mg/Kg

PCB Surrogate Recovery: DCB

85.7%

*[Handwritten signature]*

06/03/92 14:33 419 691 1227

B.E.C. LABS, INC.

001

Ecology and Environment, Inc.  
6777 Engle Road  
Cleveland, OH 44130



ATTN: Sandra Basham

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1632 enterprise parkway  
winsburg, ohio 44087  
(216) 425-8200

## sample

description: BOH0943FAA - grab - Station # SW3 - 4/2/92 @ 0955

## results:

AnalyteMethodResult

PCBs

SW-846, 8080

less than 1 mg/Kg

PCB Surrogate Recovery: DCB

97.3%